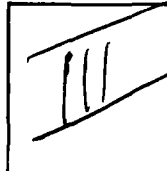


PHOTOGRAPH THIS SHEET

AD E850198

AD A118507

DTIC ACCESSION NUMBER



LEVEL



ATTENTION:

Camera Operator

When Filming attached document
use Bell & Howell camera ONLY!!!

Consult with Supervisor for
further instructions.



INVENTORY

USAF ETAC/DS-82/039

DOCUMENT IDENTIFICATION

29 Jun. 82

DISTRIBUTION STATEMENT A

Approved for public release;
Distribution Unlimited

DISTRIBUTION STATEMENT

ACCESSION FOR	
NTIS	GRA&I
DTIC	TAB
UNANNOUNCED	
JUSTIFICATION	
BY	
DISTRIBUTION /	
AVAILABILITY CODES	
DIST	AVAIL AND/OR SPECIAL
A	

DISTRIBUTION STAMP



DTIC	
ELECTE	
S	D
AUG 23 1982	
D	

DATE ACCESSIONED

82 08 02 141

DATE RECEIVED IN DTIC

PHOTOGRAPH THIS SHEET AND RETURN TO DTIC-DDA-2

ADE 850 198

AD A118507

=

USAFETAC DS-82/039

**DATA PROCESSING DIVISION
USAFETAC
Air Weather Service (MAC)**

AWS TECHNICAL LIBRARY
FL 4414
SCOTT AFB, IL 62225

**REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS**

01 JUL 1982

BITBURG AB DL
N 49 57 E 006 34 FLD ELEV 1228 FT EDAB

MSC #106100

PARTS A-F
POR FROM HOURLY OBS: JAN 73 - DEC 81
POR FROM DAILY OBS: APR 52 - DEC 81
TIME CONVERSION GMT TO LST: +1

JUN 29 1982

FEDERAL BUILDING

**"THIS DOCUMENT HAS BEEN APPROVED
FOR PUBLIC RELEASE AND SALE; ITS
DISTRIBUTION IS UNLIMITED."**

ASHEVILLE, N. C.

REVIEW AND APPROVAL STATEMENT

This report is approved for public release. There is no objection to unlimited distribution of this report to the public at large, or by DDC to the National Technical Information Service (NTIS).

This technical report has been reviewed and is approved for publication.

WAYNE E. MCCOLLOM
Chief, Technical Information Section
USAFETAC/TST

WALTER S. BURGMANN
AWS Scientific and Technical
Information Officer (STINFO)

UNCLASSIFIED
SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

HDF 156 118

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM															
1. REPORT NUMBER USAFETAC/DS-82/039	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER															
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- Bitburg AB, West Germany		5. TYPE OF REPORT & PERIOD COVERED Final rept.															
7. AUTHOR(s)		6. PERFORMING ORG. REPORT NUMBER															
9. PERFORMING ORGANIZATION NAME AND ADDRESS USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB IL 62225		8. CONTRACT OR GRANT NUMBER(s)															
11. CONTROLLING OFFICE NAME AND ADDRESS USAFETAC/CBD Air Weather Service (MAC) Scott AFB IL 62225		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS															
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		12. REPORT DATE 29 Jun 1982															
		13. NUMBER OF PAGES 400															
		15. SECURITY CLASS. (of this report) UNCLASSIFIED															
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE															
16. DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited.																	
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																	
18. SUPPLEMENTARY NOTES																	
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperatures</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative Humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperatures	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative Humidity	*Climatological data	(over)
*RUSSWO	Daily temperatures	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative Humidity	*Climatological data	(over)															
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for Bitburg AB, West Germany It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)																	

DD FORM 1 JAN 73 1473

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

19. Percentage frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables
West Germany Bitburg AB, West Germany
20. and dew point temperatures and relative humidity); and (F) Pressure
Summary (means, standard, deviations, and observation counts of
station pressure and sea-level pressure). Data in this report are
presented in tabular form, in most cases in percentage frequency of
occurrence or cumulative percentage frequency of occurring tables.

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WHO number with the addition of a suffix zero; or, in cases where there is no designated WHO number, a 5-digit number created in agreement with WHO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are selected from those record or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and compiled into summary of the day observations. (Selected from record-special, record, summary of the day, Remarks, etc.)

DESCRIPTION OF SUMMARIES

Each section is a brief description of the data comprising each part of the revised Uniform Summary of Surface Weather Observations and the manner of presentation. The stations are prepared from hourly and daily observations recorded by stations operated by the U. S. Air Force and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER DATA NOT AVAILABLE

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV (DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE DATA NOT AVAILABLE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0300, 0300-0600, 0600-0900, 0900-1200, 1200-1500, 1500-1800, 1800-2100, 2100-2400 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY _____

APRIL _____

JULY _____

OCTOBER _____

FEBRUARY _____

MAY _____

AUGUST _____

NOVEMBER _____

MARCH _____

JUNE _____

SEPTEMBER _____

DECEMBER _____

STATION NO ON SUMMARY		STATION NAME		LATITUDE		LONGITUDE		FIELD ELEV (FT.)		CALL SIGN		WMO NUMBER	
106100		BITBURG AB GERMANY		N 49 57		E 006 34		1228		EDAB		10610	
STATION LOCATION AND INSTRUMENTATION HISTORY													
NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY				
			FROM	TO			FIELD (FT)	MT. BARR.					
1	Bitburg Germany	AB	Apr 52	Feb 57	N 49 57	E 006 34	1229	1210	24				
2	Same	Same	Mar 57	Jul 68	Same	Same	1228	Same	24				
3	Same	Same	Aug 68	Oct 68	Same	Same	Same	Same	10				
4	Same	Same	Nov 68	Mar 71	Same	Same	Same	Same	24				
5	Same	Same	Apr 71	Jun 71	Same	Same	Same	Same	16				
6	Same	Same	Jul 71	Jul 72	Same	Same	Same	Same	24				
7	Same	Same	Aug 72	Dec 78	Same	Same	Same	Same	24				
8	Same	Same	Jan 79	Jun 82	Same	Same	Same	Same	24				

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Apr 52	Located on top of control tower.	AN/GMQ-1	ML-204B (WndPnl)	130 ft	
2	Mar 56	Located 60' E end of rnwy.	Same	Same	13 ft	
3	Mar 57	Located on control tower.	Same	N/A	135 ft	
4	Aug 57	Located at ROS, 1825 ft N of touchdown point of rnwy 24.	Same	Same	15 ft	
5	Mar 59	Located on control tower.	Same	Same	145 ft	
6	Mar 60	Located 4800 ft from touchdown point rnwy 06, 500 ft SE of 160° of centerline.	AN/GMQ-11	RO-2A (Aug 59)	13 ft	
7	Mar 62	Located 1654 ft SE of Weather Stn.	Same	Same	40 ft	
8	Sep 64	1. Located 500 ft from centerline, 1000 ft from end of rnwy 06.	AN/GMQ-11	RO-2A	13 ft	

NUMBER OF STATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
		2. Located 500 ft from centerline, 1000 ft from end of rnwy 24.	Same		31 ft	
	Mar 69	1. Same	Same	RO-362	Same	
		2. Same	Same		Same	
	Jan 71	1. Located 450 ft from centerline, 1000 ft from end of rnwy 06.	AN/GMQ-20	Same	Same	
		2. Located 550 ft from centerline, 1100 ft from end of rnwy 24.	Same		Same	
1	Nov 78	1. Same	Same	Same	Same	
		2. Same	Same		Same	
2	Jun 82	1. Same	Same	Same	Same	
		2. Same	Same		Same	

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

A

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

U.S. AIR FORCE CLIMATOLOGY BRANCH
 AFMPC
 1000 10TH AVENUE, S.W.
 ALBUQUERQUE, N.M.

WEATHER CONDITIONS

STATION WITRUPS AB DL STATION NAME 73-61 YEARS JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
1-11	0-23		15.2	.5	11.4		26.0	23.6	8.5	.1		32.2	835
	12-23		20.9	.8	12.8		32.1	25.9	5.7	.1		31.6	837
	6-12		21.6	.8	12.8		32.5	25.8	5.0	.1		32.9	837
	9-11		15.2	1.4	10.3		27.7	28.2	10.3			36.5	837
	12-14		16.0	1.0	9.7		25.3	24.7	14.2			38.9	837
	15-17		15.8	.6	9.6		24.3	18.1	16.9	.1		35.0	836
	18-2	.1	17.4	.6	9.6		25.2	18.2	16.6	.4		35.1	837
	3-23		15.5	.7	10.6		26.6	19.4	12.0	.1		31.5	836
TOTALS		.2	16.1	.8	12.9		27.7	23.0	11.2	.1		34.2	6692

JOINT CLIMATOLOGY BRANCH
AFETAC
WEATHER SERVICE/MAC

WEATHER CONDITIONS

100 EITBURG AB PL

73-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-02		11.8	1.0	10.0		21.4	21.1	15.0	.1		36.2	762
	03-05		11.7	.7	8.1		20.3	26.9	11.7	.4		39.0	762
	06-08		15.7	.5	10.0		25.5	25.9	10.9			36.7	762
	09-11		11.0	.9	9.1		21.5	29.7	23.5			53.1	762
	12-14		11.1	.7	11.0		20.5	21.1	24.7			45.8	762
	15-17		11.4	.5	8.3		18.8	11.7	23.0			34.6	762
	18-20	.3	14.4	.8	6.0		20.7	10.6	22.0			32.7	762
	21-23		13.9	1.0	10.6		24.0	13.5	18.0			31.5	762
TOTALS		.0	12.5	.8	9.1		21.6	20.1	18.6	.1		38.7	6096

CLIMATOLOGY BRANCH
 AFMSTAC
 AF WEATHER SERVICE/MAC

WEATHER CONDITIONS

107
 STATION

SETPURD AB DL

STATION NAME

73-81

YEARS

MAP
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02		16.6		5.3		22.2	12.7	11.7			24.4	837
	03-05	.1	18.2		4.3		21.4	17.1	11.4			28.4	937
	06-08		18.6		5.7		23.3	22.0	14.5			36.4	837
	09-11		18.2		5.5		23.1	22.7	21.4			44.1	837
	12-14		15.8		4.9		20.2	10.6	21.0			31.7	837
	15-17	.2	17.4		3.5		20.2	3.2	17.3			20.5	837
	18-20	.1	20.3		3.6	.1	23.2	3.7	17.3			21.0	937
	21-23		18.0		3.9	.1	21.0	6.1	11.6			17.7	837
TOTALS		.1	16.1		4.6	.0	21.8	12.3	15.8			28.0	6696

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
METEOROLOGICAL SERVICE/MAC

WEATHER CONDITIONS

107 PITBURG AB DL
STATION

STATION NAME

73-81

YEARS

APP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APP	00-05		11.1		3.1		13.3	8.6	9.1			17.8	810
	06-11		12.0		4.1		14.7	14.9	9.1			24.1	810
	12-17	.1	11.9		7.0		17.8	21.6	16.9			38.5	810
	18-23		8.9		5.9		14.7	16.2	22.5			38.6	810
	24-29		11.7		4.8	.2	15.8	4.9	14.4			19.4	810
	30-31	.2	10.9		2.6	.1	13.2	2.7	8.4			11.1	810
	01-05	.5	12.1		2.7		14.1	3.2	7.4			10.6	810
	06-10	.1	11.2		1.7		12.8	3.0	8.4			11.4	810
	11-15												
	16-20												
	21-25												
	26-30												
TOTALS		.1	11.2		4.0	.0	14.6	9.4	12.0			21.4	6480

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

WEATHER CONDITIONS

STATION SITBORG AB DL

73-81

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02	.8	11.5		.4		11.8	6.5	4.8			11.2	836
	03-05	.1	12.3		.4		12.5	14.1	7.4			21.5	837
	06-08	.1	12.5		.6		13.0	22.3	12.9			35.2	837
	09-11	.2	12.5		.5		12.8	10.8	16.5			27.2	837
	12-14	.1	10.3		.4		10.5	3.0	7.5			10.5	837
	15-17	1.1	11.4		.4		11.6	1.2	4.8			6.0	837
	18-20	2.2	11.1			.1	11.2	1.7	4.9			6.6	837
	21-23	1.8	11.6				11.6	2.2	5.6			7.8	837
TOTALS		.8	11.7		.3	.0	11.9	7.7	8.1			15.8	6695

☐ CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

10 BITBURG AB DL

73-81

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02	.7	9.9				9.9	8.5	4.8			13.3	810
	03-05	.2	9.8				9.8	16.9	8.4			25.3	810
	06-08	.6	12.0				12.0	30.0	14.2			44.2	810
	09-11	.1	11.0		.1		11.0	11.7	17.3			29.0	810
	12-14	.4	9.0				9.0	2.6	8.6			11.2	810
	15-17	2.3	11.4				11.4	.9	5.2			6.0	810
	18-20	2.6	10.9				10.9	1.5	7.0			8.5	810
	21-23	2.0	11.4				11.4	3.6	8.4			12.0	810
TOTALS		1.1	10.7		.0		10.7	9.5	9.2			18.7	6480

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/HAC

WEATHER CONDITIONS

1 JUL
STATION

EITBURG AB DL
STATION NAME

73-81
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02	1.1	8.8				8.8	6.6	3.7			17.3	834
	03-05	1.1	9.2				9.2	15.5	4.2			19.7	837
	06-08	.4	12.5				12.5	29.5	13.6			43.1	837
	09-11	.1	12.3				12.3	10.5	16.6			27.1	837
	12-14	.1	9.4				9.4	1.1	8.9			9.9	836
	15-17	2.2	11.7				11.0	.5	3.6			4.1	837
	18-20	2.6	11.8				11.8	.6	3.7			4.3	837
	21-23	2.3	11.1			.1	11.3	2.9	6.6			9.5	835
TOTALS		1.2	10.8			.0	10.8	8.4	7.6			16.0	6690

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

10 BITBURG AB DL

73-81

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-22	.5	7.5				7.5	9.4	7.0			16.3	748
	03-05	.4	6.8				6.8	20.2	6.9			27.1	794
	06-08	.4	8.8				8.8	35.0	12.3			47.3	837
	09-11	.2	9.0				9.0	21.5	20.2			41.7	637
	12-14	.4	7.0				7.0	4.0	12.8			16.9	818
	15-17	.9	7.9				7.9	.1	6.7			6.8	807
	18-20	2.0	8.0				8.0	1.3	5.7			7.0	767
	21-23	2.3	8.4				8.4	4.1	7.5			11.6	748
TOTALS		.9	7.9				7.9	12.0	9.9			21.8	6356

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AF WEATHER SERVICE/MAC

WEATHER CONDITIONS

STATION ELTBURG AB DL STATION NAME 73-81 YEARS SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
SEP	00-02	.7	7.7				7.7	20.6	5.9			26.5	810
	03-05	.4	8.9				8.9	33.7	6.5			40.2	810
	06-08	.4	8.3				8.3	46.5	7.7			54.2	810
	09-11	.4	9.8				9.8	36.9	15.3			52.2	810
	12-14	.1	11.2				11.2	10.0	17.2			27.2	810
	15-17	.7	9.4				9.4	1.6	7.3			8.9	810
	18-20	1.0	10.0				10.0	2.1	6.9			9.0	810
	21-23	.7	9.6				9.6	6.5	6.4			13.0	810
TOTALS		.6	9.4				9.4	19.7	9.2			28.9	6480

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

WEATHER CONDITIONS

110 PITBURG AB DL 73-81 OCT
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00-02		14.5		.1		14.5	23.3	4.9			28.2	837
	03-05	.2	16.1		.1		16.1	34.3	2.5			36.8	836
	06-08	.2	17.9		.8		13.6	40.4	3.8			44.2	837
	09-11		13.0		.4		18.4	37.6	10.0			47.7	837
	12-14		17.0		.1		17.0	19.4	12.8			32.1	837
	15-17	.4	14.6				14.6	8.7	13.4			22.1	837
	18-20		13.1				13.1	9.8	12.7			22.5	837
	21-23	.4	13.6		.2		13.6	15.4	7.4			22.8	837
TOTALS		.2	15.6		.2		15.7	23.6	8.4			32.1	6695

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

10
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-07		18.9	.4	4.2		23.2	25.3	4.3			29.6	810
	08-05		20.5	.1	4.3		23.7	29.9	3.8			33.7	809
	06-08		23.5	1.0	4.2		26.7	30.0	3.3			33.3	810
	09-11		21.4	1.0	4.2		25.2	31.5	9.5			41.0	810
	12-14		17.4		5.1	.1	21.2	24.7	10.1			34.8	810
	15-17		18.9		5.1	.1	22.6	14.9	10.7			25.7	810
	18-20		20.5		4.2		23.6	15.6	11.7			27.3	809
	21-23		20.5	.1	3.5		22.8	19.0	5.7			24.7	810
TOTALS			20.2	.3	4.4	.0	23.6	23.9	7.4			31.3	6478

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

WEATHER CONDITIONS

17
STATION

HITBURG AB DL

STATION NAME

73-81

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-22		22.7	1.0	8.5		30.7	24.1	5.7			29.9	837
	03-05	.1	22.7	.4	8.1		30.0	27.7	5.0			32.7	837
	06-08		20.1	.7	10.8	.1	30.1	30.2	4.3			34.5	837
	09-11		20.0	1.0	10.9		31.1	29.7	8.8			38.6	837
	12-14	.1	17.7	.5	13.1		30.6	25.2	8.6			33.8	837
	15-17		20.4	.7	12.4		32.0	20.9	9.9			30.8	837
	18-20		20.3	.7	9.3		29.2	20.9	7.9			28.8	837
	21-23		20.9	1.3	8.1		28.9	21.4	6.6			28.0	837
TOTALS		.0	20.6	.8	10.2	.0	30.3	25.0	7.1			32.1	6696

U.S. AIR FORCE
CLIMATE DIVISION
U.S. AIR FORCE
WEATHER SERVICE/MAC

WEATHER CONDITIONS

1 0
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.0	18.1	.8	11.9		27.7	23.0	11.2	.1		34.2	6692
FEB		.0	12.5	.8	9.1		21.6	20.1	18.6	.1		38.7	6096
MAR		.1	14.1		4.6	.0	21.8	12.3	15.8			28.0	6696
APR		.1	11.2		4.0	.0	14.6	9.4	12.0			21.4	6480
MAY		.8	11.7		.3	.0	11.9	7.7	8.1			15.8	6695
JUN		1.1	10.7		.0		10.7	9.5	9.2			18.7	6480
JUL		1.2	10.8			.0	10.8	8.4	7.6			16.0	6690
AUG		.9	7.9				7.9	12.0	9.9			21.8	6356
SEP		.6	9.4				9.4	19.7	9.2			28.9	6480
OCT		.2	15.6		.2		15.7	23.6	8.4			32.1	6695
NOV			20.2	.3	4.4	.0	23.6	23.9	7.4			31.3	6478
DEC		.0	20.6	.8	10.2	.0	30.3	25.0	7.1			32.1	6696
TOTALS		.4	13.9	.2	3.6	.0	17.2	16.2	10.4	.0		26.6	78534

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than $\frac{5}{8}$ mile.

ALPHAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

XX **WEATHER CONDITIONS**
XXXXXXXXXXXXXXXXXXXXXXXXXXXX
ATMOSPHERIC PHENOMENA

1.0
STATION

BITBURG AB DL
STATION NAME

52-81

YEARS

ALL
MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	.6	51.2	7.0	45.1	.9	75.1	73.9	57.4	1.0		87.5	899
FEB		.6	47.2	3.4	39.9	1.7	68.5	67.5	65.9	.2		85.7	818
MAR		1.1	52.6	.2	24.4	2.0	64.4	57.1	71.4			84.9	899
APR		3.7	53.1	.1	14.8	3.1	58.8	48.4	59.6			73.2	876
MAY		11.7	59.5		1.8	2.1	59.7	48.2	51.8			68.1	903
JUN		14.9	56.0			1.2	56.0	52.8	54.9			71.7	905
JUL		14.8	54.8			1.0	54.8	55.6	56.6			74.5	914
AUG		13.2	53.6			.2	53.6	62.9	55.5			77.5	914
SEP		5.2	49.4			.6	49.4	70.3	62.7			81.6	889
OCT		1.4	53.9	.1	2.7	.3	54.1	78.2	62.4			87.2	922
NOV		.3	50.1	1.5	21.5	.6	68.5	79.3	53.4	.1		87.6	893
DEC		.3	57.7	7.4	37.2	.6	75.1	76.8	52.5	.1		88.4	906
TOTALS		5.6	54.1	1.6	15.6	1.2	61.5	64.2	58.7	.2		80.7	10733

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

* Values for means and standard deviations do not include measurements from incomplete months.

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945	at 0800LST
Jan 46-May 57	at 1230GMT
Jun 57-present	at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52	at 0030GMT
Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT

2 GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

1 0100
STATION

PITBURG AB DL

STATION NAME

52-81

YEARS

AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	24.1	21.5	5.8	15.0	11.7	14.7	6.0	1.3						54.5	899	2.15	5.33	.66
FEB	30.2	20.9	5.1	12.7	9.2	12.3	7.3	2.1	.2					49.0	819	2.04	5.38	.06
MAR	35.4	19.4	6.2	11.8	8.8	10.2	6.3	1.8	.1					45.3	899	2.00	4.20	.09
APR	47.2	18.5	5.2	11.5	7.7	10.3	5.3	1.1	.1					41.3	870	1.66	3.10	.33
MAY	38.1	18.8	4.2	10.1	7.8	10.2	8.3	2.0	.6					43.1	903	2.32	5.72	TRACE
JUN	42.3	15.4	4.4	8.9	7.0	10.4	6.0	4.1	.9					41.6	900	2.62	4.77	.07
JUL	43.8	17.5	2.3	8.3	6.4	10.4	6.7	3.7	.9	.1				38.8	921	2.77	5.73	1.01
AUG	44.2	14.0	4.7	9.1	6.6	10.6	6.2	3.6	1.0					41.6	914	2.49	6.56	.22
SEP	43.2	13.6	4.7	8.6	6.3	10.5	5.1	2.3	.7					38.2	859	2.03	4.26	.05
OCT	44.6	16.5	5.1	10.4	6.5	8.9	5.8	1.9	.3					38.9	891	1.87	4.34	.05
NOV	70.2	17.8	5.4	13.8	9.3	13.0	7.0	2.8	.6					52.0	867	2.64	6.50	.53
DEC	24.1	23.1	5.1	15.1	9.4	12.6	8.0	1.9	.8					52.7	916	2.61	7.39	.27
ANNUAL	37.1	18.1	4.8	11.3	8.1	11.2	6.5	2.4	.5	.0				44.8	10658	27.20		

USAFETAC FORM D-15-5 (OLA) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
OCT 75

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

10170 BITBURG AB DL
STATION STATION NAME

52-81
YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
52				.24	.34	.72	.44	1.17	.54	.35	.73	.93	
53	.25	.32	.08	.50	.36	1.02	3.29	.76	.67	.43	.20	.85	3.29
54	.20	.26	.39	.57	.41	.49	.84	.63	.67	.44	.35	.58	.84
55	.58	.66	.56	.10	.49	.93	1.36	.44	.19	.27	.22	.80	1.36
56	.36	.36	.94	.51	.77	.49	.92	.37	.70	.40	.47	.44	.94
57	.25	1.07	1.02	.39	.32	1.55	1.10	.24	.33	.44	.24	.28	1.55
58	.50	.58	.27	.88	1.13	.32	.75	1.36				.30	
59	.63	.03	.35	.58	.49	.45	.64	.75	.04	.32	.59	.78	.78
60	.38	.57	.40	.10	.43	1.02	.97	.38	1.27	.38	.48	.87	1.27
61	.41	.26	.17	.27	.35	1.96	.79	.56	.67	1.36	.55	.69	1.96
62	.74	.76	.94	.52	.28	.05	.38	.51	.49	.29	.44	.49	.94
63	.45	.21	.74	.18	.71	.52	.88	.76	.40	.56	2.10	.16	2.10
64	.36	.28	.60	.45	.31	.43	1.15	.44	.88	1.05	1.37	1.07	1.37
65	.96	.19	.63	.42	1.12	.78	1.59	.60*	.77	.42	.85	1.02	1.59
66	.50	.62	.33		*TRACE	1.36	.80	.52	.25	1.34	.92	1.04	
67	.14	.54	.42	.30	.87	.86	.69	.63	1.55	.92	.78	1.23	1.55
68	.47	.43	.43	.22	.48	.73*	1.71*	1.81*	.98*	.34*	.14	.38	* 1.81
69	.20	.61	.56	.80	.39	.65*	.46*	1.03*	.19	.03	.53	.44	* 1.03
70	.52	.63	.86	.42	1.01	.72	.64	.52	.98	.70	.54	.35	1.01
71	.65	.29	.30	.58	1.17	1.28	.66	.54	.35	.55	.98	.19	1.28
72	.24	.59	.47	.33	.71	.54	1.09	1.08	1.18	.11	1.48	.27	1.48
73	.35	.43	.29	.41	.40	.23	.39	.83	.74	.80	.58	.37	.83
74	.14	.29	.27	.34	.69	.79	.46	.36	.41	.66	.28	.30	.79
75	.25	.27	.76	.44	.40	.63	.43	1.11	1.37	.09	.93	.46	1.37
76	.39	.25	.36	.14	.30	.52	.66	.12	.44	.58	1.75	.28	1.75
77	.60	1.18	.41	.49	.48	.74	.86	1.75	.20	.51	.39	.38	1.75
78	.32	.36	.83	.24	.68	1.00	.43	.32	.48	.18	.26	1.18	1.18
79	.47	.31	.80	.78	.90	.74	1.10	.93	1.56	.44	.66	1.51	1.56
80	.70	.53	.42	.57	1.63	.51	.88	1.09	.33	.87	.68	.35	1.63
81	.36	.49	.51	1.57	.30	1.19	1.53	1.00	1.10	.58	.86	.63	1.57
MEAN	.427	.461	.521	.460	.618	.774	.919	.706	.684	.538	.722	.632	1.423
S.D.	.194	.253	.248	.292	.338	.402	.567	.371	.431	.335	.467	.357	.545
TOTAL OBS	899	819	899	870	903	900	921	914	859	891	867	916	10658

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

10-100 BITBURG AB DL
STATION NAME

52-81
YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
52				.69	1.31	2.55	1.31	3.66	3.17	1.85	2.38	3.09	
53	.66	1.11	.09	2.17	1.00	3.80	5.31	1.50	1.43	.90	.55	1.77	20.29
54	1.44	.97	1.60	.93	1.26	1.75	2.99	3.21	3.31	2.07	1.71	2.56	23.80
55	2.32	3.05	1.30	.31	2.38	3.83	2.90	1.05	.66	.71	.69	2.89	22.09
56	3.06	1.09	2.15	2.23	2.61	2.79	2.58	2.74	1.95	2.10	1.36	2.07	26.73
57	1.78	5.15	3.22	.53	1.12	2.94	3.41	1.26	2.27	.80	.73	.81	23.32
58	2.97	3.82	.59	1.70	5.72	1.54	1.43	4.34				* 1.45	
59	2.89	.06	1.37	2.54	1.57	1.68	1.41	2.51	.05	1.36	1.92	3.51	20.87
60	2.37	1.92	1.44	.54	1.38	2.41	2.90	3.08	2.38	2.16	2.24	2.58	25.40
61	2.92	1.58	.42	2.03	1.50	4.77	3.04	1.97	2.20	3.69	3.22	3.74	31.08
62	3.20	2.84	2.78	2.26	1.94	.07	1.77	1.39	2.42	.63	1.72	2.47	23.49
63	1.19	.95	2.62	1.04	2.09	2.52	1.28	3.33	1.42	1.92	6.50	.27	25.13
64	1.23	1.10	1.56	1.81	1.32	1.94	1.90	2.07	2.43	3.18	4.19	3.24	25.97
65	5.33	.98	2.53	3.10	4.36	3.74	4.73	2.37	3.68	.82	5.21	7.39	*44.24
66	2.47	3.35	2.05		*TRACE	4.58	5.26	2.37	.86	4.25	3.68	5.23	
67	.92	2.16	2.38	1.19	2.76	2.15	2.66	2.80	3.94	4.34	2.86	3.21	31.37
68	2.97	2.54	1.53	1.05	2.31	2.60	4.40	4.14	3.95	1.79	.53	2.17	*29.98
69	1.41	2.39	2.12	2.81	1.92	2.58	1.01	3.63	.33	.05	3.60	1.26	*23.11
70	2.61	5.38	3.57	2.23	3.29	2.25	2.91	2.42	2.41	1.98	2.41	2.06	33.52
71	2.98	1.39	1.18	1.75	3.34	3.67	1.43	1.86	.98	1.25	3.33	.65	23.81
72	1.35	1.15	1.79	2.28	3.47	1.66	4.08	3.28	1.74	.53	3.33	.57	25.23
73	1.52	2.59	.39	1.84	2.94	.94	1.77	1.50	1.63	1.81	2.07	1.58	20.58
74	1.11	.91	1.57	.78	1.47	2.47	1.50	1.00	1.65	2.74	2.49	1.60	19.29
75	1.38	.39	2.95	2.14	1.16	1.96	1.68	2.90	4.26	.30	3.64	.62	23.38
76	2.72	.80	1.09	.44	1.11	.56	2.08	.22	1.69	2.59	3.83	1.71	18.14
77	3.28	5.08	1.79	2.05	1.80	3.38	3.20	6.56	.82	1.68	2.49	2.04	34.17
78	1.58	1.50	3.52	.85	3.38	2.39	2.22	1.12	1.70	.40	.62	4.55	23.83
79	1.69	1.44	4.20	2.88	4.01	2.47	2.10	3.02	2.58	1.95	3.25	5.84	35.43
80	1.92	2.36	2.60	1.44	3.38	3.81	5.73	3.75	1.69	2.66	1.89	1.94	33.17
81	2.55	1.13	3.62	2.55	1.34	4.68	4.01	2.44	3.21	3.60	2.07	4.19	35.39
MEAN	2.150	2.041	2.001	1.661	2.319	2.616	2.771	2.490	2.033	1.869	2.642	2.607	26.062
S.D.	.999	1.413	1.047	.812	1.170	1.156	1.304	1.257	1.002	1.192	1.379	1.661	5.331
TOTAL OBS	899	819	899	870	903	900	921	914	859	891	867	916	10658

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OLA)

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFC WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

1 (1)
STATION

BITBURG AB DL

52-81

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01 0.4	05 1.4	15 2.4	25 3.4	35 4.4	45 5.4	55 10.4	105 15.4	155 25.4	255 50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	53.6	22.4	11.3	9.5	2.9	.9	.1	.3						24.0	899	6.5	19.4	TRACE
FEB	58.4	19.8	9.2	8.4	2.6	.7	.7	.1	.1					21.9	819	5.9	20.7	TRACE
MAR	75.0	14.0	5.2	3.4	1.2	.3	.4	.3						11.0	899	3.4	17.3	.0
APR	84.5	10.1	3.7	.7	.5	.2	.1	.1		.1				5.4	870	1.7	19.1	.0
MAY	98.1	1.2	.3	.3										.7	904	.1	1.9	.0
JUN	100.0														900	.0	.0	.0
JUL	100.0														922	.0	.0	.0
AUG	100.0														916	.0	.0	.0
SEP	100.0														890	.0	.0	.0
OCT	97.6	2.1	.3											.3	922	TRACE	.4	.0
NOV	77.8	14.3	3.8	2.7	.8	.1	.4	.1						7.9	898	2.2	11.3	.0
DEC	63.0	19.3	8.0	6.7	1.4	.8	.4	.3	.1					17.7	916	5.2	17.9	.0
ANNUAL	84.7	8.6	3.4	2.6	.8	.2	.2	.1	.0	.0				7.4	10755	25.0		

USAFETAC FORM 0-15-3 (OL A)

OCT 79

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

1 6130 BITBURG AB DL
STATION STATION NAME

52-81 YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
52				TRACE	.0	.0	.0	.0	.0	TRACE	.4	2.2	
53	1.0	3.6	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.4	3.6
54	1.9	2.0	1.3	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	2.0
55	2.5	2.8	5.6	TRACE	TRACE	.0	.0	.0	.0	TRACE	TRACE	.5	5.6
56	1.1	2.1	.3	.4	.0	.0	.0	.0	.0	.0	.6	.7	2.1
57	.8	1.8	.0	TRACE	.7	.0	.0	.0	.0	.0	.4	.6	1.8
58	3.4	1.8	2.5	1.8	.0	.0	.0	.0	.0	.0	TRACE*	TRACE	3.4
59	3.0	TRACE	TRACE	.2	.0	.0	.0	.0	.0	.0	TRACE	1.7	3.0
60	2.5	2.0	TRACE	.4	.0	.0	.0	.0	.0	TRACE	TRACE	8.0	8.0
61	2.4	1.2	.3	.0	.0	.0	.0	.0	.0	.0	5.0	TRACE	5.0
62	.5	3.7	3.8	.3	.0	.0	.0	.0	.0	TRACE	4.4	1.3	4.4
63	1.5	2.1	2.2	.1	.0	.0	.0	.0	.0	.0	.0	.6	2.2
64	3.0	.8	.7	.1	.0	.0	.0	.0	.0	TRACE	TRACE	6.4	6.4
65	2.1	2.5	.4	.3	.0	.0	.0	.0	.0	.0	3.7	2.8	3.7
66	.3	TRACE	1.8	.1	.0	.0	.0	.0	.0	.0	3.7	1.1	
67	1.4	.5	.1	.1	.1	.0	.0	.0	.0	.0	.8	3.7	3.7
68	4.1	4.3	2.0	.4	TRACE	.0*	.0*	.0*	.0*	.0*	.5	2.8	4.1
69	1.3	8.2	.6	2.5	TRACE	.0*	.0*	.0*	.0*	.0	1.9	1.7	8.2
70	4.5	3.4	5.1	1.0	.0	.0	.0	.0	.0	TRACE	.2	3.8	5.1
71	1.3	1.0	2.9	.0	.0	.0	.0	.0	.0	.0	1.4	.3	2.9
72	2.4	.7	.6	TRACE	.0	.0	.0	.0	.0	TRACE	3.0	.0	3.0
73	.7	5.4	.2	1.3	.0	.0	.0	.0	.0	.0	.3	2.4	5.4
74	TRACE	.8	2.7	.0	TRACE	.0	.0	.0	.0	TRACE	.3	.9	2.7
75	.5	.4	6.2	3.8	TRACE	.0	.0	.0	.0	.0	.3	TRACE	6.2
76	.9	2.0	.2	TRACE	.0	.0	.0	.0	.0	.0	TRACE	2.7	2.7
77	5.7	.2	TRACE	.8	.0	.0	.0	.0	.0	.0	.3	.9	5.7
78	1.3	2.8	1.0	.3	TRACE	.0	.0	.0	.0	.0	TRACE	1.6	2.8
79	4.7	.6	.4	2.3	1.2	.0	.0	.0	.0	.0	1.8	2.9	4.7
80	1.3	.2	TRACE	.3	.0	.0	.0	.0	.0	.0	.8	4.8	4.8
81	2.2	1.2	3.7	13.6	.0	.0	.0	.0	.0	TRACE	4.4	3.0	13.6
MEAN	2.01	2.00	1.54	1.03	.07	.00	.00	.00	.00	.02	1.22	2.04	4.44
S.D.	1.422	1.817	1.831	2.587	.254	.000	.000	.000	.000	.077	1.619	1.971	2.490
TOTAL OBS	899	819	899	870	904	900	922	916	890	922	898	916	10759

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

EXTREME VALUES
MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

1710 BITBURG AB DL 52-81
STATION STATION NAME YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
52				TRACE	.0	.0	.0	.0	.0	TRACE	.7	8.6	
53	2.5	10.3	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.4	13.2
54	5.3	3.7	2.3	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	11.3
55	5.9	14.6	9.3	TRACE	TRACE	.0	.0	.0	.0	TRACE	TRACE	1.1	30.9
56	4.3	7.2	.4	.6	.0	.0	.0	.0	.0	.0	1.0	2.0	15.5
57	2.7	4.9	.0	TRACE	.9	.0	.0	.0	.0	.0	.4	1.2	10.1
58	7.2	6.4	4.5	2.1	.0	.0	.0	.0	.0	.0	TRACE	*TRACE	* 20.2
59	19.4	TRACE	TRACE	.2	.0	.0	.0	.0	.0	.0	TRACE	1.7	21.3
60	8.6	5.6	TRACE	.4	.0	.0	.0	.0	.0	TRACE	TRACE	12.0	26.6
61	6.6	3.6	.5	.0	.0	.0	.0	.0	.0	.0	5.1	TRACE	15.8
62	.5	9.3	8.5	.3	.0	.0	.0	.0	.0	TRACE	11.3	6.7	36.6
63	5.9	8.6	2.4	.1	.0	.0	.0	.0	.0	.0	.0	.9	17.9
64	6.5	2.5	1.3	.1	.0	.0	.0	.0	.0	TRACE	TRACE	14.9	25.3
65	8.1	7.5	1.2	.3	.0	.0	.0	.0	.0	.0	7.3	6.0	30.4
66	2.0	TRACE	7.0		.0	.0	.0	.0	.0	.0	9.8	2.6	
67	4.5	.9	.1	.2	.1	.0	.0	.0	.0	.0	.8	10.3	16.9
68	17.2	7.1	2.5	.5	TRACE	.0*	.0*	.0*	.0*	.0*	1.1	11.7	* 40.1
69	1.4	20.7	1.1	4.8	TRACE	.0*	.0*	.0*	.0	.0	4.5	7.0	* 39.5
70	10.6	15.7	17.3	2.6	.0	.0	.0	.0	.0	TRACE	.2	7.8	54.2
71	2.1	2.0	7.7	.0	.0	.0	.0	.0	.0	.0	4.2	.3	16.3
72	9.9	.8	.6	TRACE	.0	.0	.0	.0	.0	TRACE	5.1	.0	16.4
73	2.8	19.4	.5	2.6	.0	.0	.0	.0	.0	.3	5.2	7.7	38.5
74	TRACE	2.0	6.0	.0	TRACE	.0	.0	.0	.0	TRACE	.3	1.6	9.9
75	.5	.5	16.8	9.5	TRACE	.0	.0	.0	.0	.4	TRACE	.1	27.8
76	2.3	3.5	.2	TRACE	.0	.0	.0	.0	.0	.0	TRACE	7.6	13.6
77	13.0	.2	TRACE	1.3	.0	.0	.0	.0	.0	.0	.3	.9	15.7
78	4.2	7.4	2.9	.3	TRACE	.0	.0	.0	.0	.0	TRACE	1.9	16.7
79	14.2	1.1	.6	3.6	1.9	.0	.0	.0	.0	.0	1.8	7.6	30.8
80	5.2	.3	TRACE	.4	.0	.0	.0	.0	.0	.0	1.5	9.5	16.9
81	13.7	4.7	3.7	19.1	.0	.0	.0	.0	.0	TRACE	4.7	17.9	63.8
MEAN	6.45	5.88	3.36	1.69	.10	.00	.00	.00	.00	.02	2.21	5.17	23.70
S.D.	5.105	5.721	4.716	3.915	.384	.000	.000	.000	.000	.091	3.173	5.027	13.420
TOTAL OBS	899	819	899	870	904	900	922	916	890	922	898	916	10755

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

2 GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

10-100 STATION NAME BITBURG AB DL

52-81

YEARS

AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-54	55-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	58.9	15.8	7.3	4.4	4.4	7.2	1.4	.6						25.3	862			
FEB	64.5	13.1	8.1	5.1	5.1	2.1	2.0							22.4	817			
MAR	87.3	6.9	1.7	1.8	.8	1.5	.1							5.8	895			
APR	98.3	1.1	.2			.2	.1							.6	876			
MAY	99.9	.1													904			
JUN	100.0														900			
JUL	100.0														924			
AUG	100.0														916			
SEP	100.0														890			
OCT	100.0														922			
NOV	93.7	3.9	1.2	1.1	.4	.2								3.0	891			
DEC	70.7	15.7	5.8	3.7	2.3	2.0								13.7	869			
ANNUAL	89.4	4.7	2.0	1.3	1.1	1.1	.3	.3						5.9	10666			

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

10-100
STATION

SITBURG AB DL
STATION NAME

52-81
YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
52				TRACE	0	0	0	0	0	0	TRACE	2	
53	1	7	0	0	0	0	0	0	0	0	0	TRACE	7
54	3	1	1	0	0	0	0	0	0	0	0	TRACE	3
55	12	10	4	0	0	0	0	0	0	0	TRACE	TRACE	12
56	2	3	TRACE	TRACE	0	0	0	0	0	0	TRACE	1	3
57	1	2	0	0	0	0	0	0	0	0	2	TRACE	2
58	6	2	3	1	0	0	0	0	0	0	0	3	6
59	8	0	0	0	0	0	0	0	0	0	0	0	8
60	5	3	0	0	0	0	0	0	0	0	0	6	6
61	4	1	TRACE	0	0	0	0	0	0	0	1	TRACE	4
62	TRACE	4	5	0	0	0	0	0	0	0	4	1	5
63	4	3	1	0	0	0	0	0	0	0	0	1	4
64	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0
66	0	0	0*	0*	0	0	0	0	0	0	0*	0	*
67	*	0	0	0	0	0	0	0	0	0	0	0	0
68	7	2	0	0	0	0*	0*	0*	0*	0*	TRACE	4	7
69	4	11	0	TRACE	0	0*	0*	0*	0*	0	3	3	11
70	6	4	9	0	0	0	0	0	0	0	TRACE	6	9
71	5	1*	3	0	0	0	0	0	0	0	0*	1	5
72	*	4*	0	0	0	0	0	0	0	0	0	0	*
73	TRACE	6	TRACE	TRACE	0	0	0	0	0	0	0	6	6
74	TRACE	TRACE	2	0	0	0	0	0	0	0	0	1	2
75	3	0	5	4	0	0	0	0	0	0	0	TRACE	5
76	2	3	TRACE	0	0	0	0	0	0	0	0	2	3
77	6	TRACE	0	TRACE	0	0	0	0	0	0	TRACE	TRACE	6
78	1	5	TRACE	0	0	0	0	0	0	0	TRACE	TRACE	5
79	13	3	0	TRACE	TRACE	0	0	0	0	0	TRACE	3	13
80	3	TRACE	0	0	0	0	0	0	0	0	2	5	3
81	6	1	3	8	0	0	0	0	0	0	2	4	6
MEAN	3.7	2.6	1.2	.4	TRACE	.0	.0	.0	.0	.0	.7	1.7	5.5
S.D.	3.584	2.974	2.212	1.639	.000	.000	.000	.000	.000	.000	1.188	2.123	3.128
TOTAL OBS	862	817	895	876	904	900	924	916	890	922	891	869	10666

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OL A)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

0 PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

- *1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

- *2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

*Values for means and standard deviations do not include measurements from incomplete months.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATL WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS

(FROM DAILY OBSERVATIONS)

1-100 BITBURG AB DL
STATION STATION NAME

52-81

YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
YEAR													
52					NE #17								
53													
54													
55													
56													
57													
58													
59								ESE 25E	28SSW	41S	30W	46	
60	W	38SW	31NNW	34NNW	40MSW	29NW	29MSW	31NW	32MSW	27W	34WSW	43SW	53 SW 53
61	SW	42NNW	41WSW	30W	26W	31WSW	25W	33NNW	34W	33SSW	36MSW	36NNW	41 SW 42
62	W	56W	45SW	36ENE	35W	35NNW	28NNW	32SW	37NNW	45NE	25NW	25NNW	51 W 56
63	E	31NE	22SSW	38WSW	30MSW	28NNE	34SW	32MSW	38NNW	33SW	27SW	42E	25 SW 42
64	E	23N	29NE	27MSW	35MSW	28SW	31W	30SSW	38SW	33SW	48MSW	41SSW	34 SW 48
65	WSW	45NNW	35SSW	40W	32NNW	40SW	50MSW	36W	34SSW	42WSW	32W	49W	56 W 56
66	W	46W	38W	58	NE #19W	38SSE	54SW	26SW	*20WSW	*28NNW	44WSW	*43	
67	W	29W	60W	41WSW	42W	45NW	48W	29W	43S	30WSW	*44SSW	37W	37 W 60
68	W	38S	34W	44W	39W	33W	3127*	3811*	3829*	3224*	30 9/	3226/	39 W 44
69	29/	2824/	36 8*	2827/	3926/	35 1/	2722*	3831*	28 6/	2024/	2025/	42 8/	26 25/ 42
70	11/	2629/	5226/	3833/	5017/	38 8/	3126/	5026/	3411*	3327/	3727/	3932/	36 29/ 52
71	26/	4719/	40 3/	3424/	3320*	4530*	3823/	4425/	4621/	2924/	3520/	4229/	37 25/ 46
72	7/	3428/	3625/	5124/	4425/	4727/	3012/	4324/	4029/	30 7/	2429/	5023/	29 25/ 51
73	20/	2329/	42 6/	2728/	4510/	3123/	3023/	3225/	3224/	3523/	3628/	3433/	38 28/ 45
74	24/	5521/	5224/	56 2/	3030/	3524/	3728/	4028/	3325/	3728/	4028/	4725/	56 24/ 56
75	29/	39 8/	2825/	2824/	35 7/	3224/	3629/	3423/	3022/	3627/	3125/	5521/	40 25/ 59
76	26/	5921/	3826/	28 4/	3427/	3028/	2826/	2910/	2630/	2818/	2420/	4824/	39 26/ 59
77	23/	3324/	3323/	3429/	4228/	3123/	3824/	3021/	2824/	2428/	3626/	5228/	40 26/ 52
78	29/	44 9/	3823/	4425/	3132/	2729/	3924/	3119/	2729/	3830/	2227/	2324/	53 24/ 53
79	20/	3521/	2822/	3923/	3225/	4624/	2527/	3922/	2824*	2521/	2522/	4524/	46 25/ 46
80	24/	4429/	4422/	3826/	42 9/	2827/	3526/	3623/	2826/	2928/	3724/	3426/	39 24/ 44
81	29/	4728/	3424/	39 6/	2727/	2729/	4829/	2533/	2623/	3130/	4332/	3325/	46 29/ 48
MEAN	38.9	38.0	38.3	36.3	33.8	34.2	35.5	32.6	32.0	32.7	40.1	41.2	50.7
S.D.	10.232	8.864	8.764	6.351	6.354	7.366	7.452	5.987	6.009	7.680	8.395	8.907	5.525
TOTAL OBS	687	622	671	629	652	657	675	696	653	687	684	706	8012

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA) 3 (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

1
2
JAL CLIMATOLOGY BRANCH
METAC
WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

JAN
MONTH

ALL WEATHER

CLASS

0000-0200

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.2	.4	.2								1.4	6.0
NNE	.2	.1	.8	.5								1.7	8.4
NE	1.0	1.6	.8	.6								4.0	6.2
ENE	1.3	2.9	2.8	.4								7.3	6.2
E	1.3	4.3	1.3	1.3	.4							8.6	6.8
ESE	.5	.6										1.1	4.0
SE	.5	.4										.8	3.4
SSE	.8	.7	.2	1.1								2.9	8.0
S	.7	2.3	2.4	.6	.1							6.1	7.0
SSW	.4	1.2	3.4	3.5	.7							9.1	10.5
SW	.7	2.5	4.2	3.5	1.0	.5						12.3	10.0
WSW	.6	2.5	5.4	3.2	1.9	.7	.1	.1				14.6	11.2
W	.8	2.3	4.2	3.8	1.3	.1						12.6	10.1
WNW	1.1	1.3	1.3	.6	.4	.1						4.8	7.8
NW	.1	.2	.8	.1	.5							1.8	11.0
NNW	.4	.1										.5	2.5
VARBL			.1	.1								.2	11.5
CALM												10.2	
	11.0	23.2	28.1	19.5	6.2	1.4	.1	.1				100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

835

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATC WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

10130
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

JAN

MONTH

ALL WEATHER

CLASS

0300-0500

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.6	.2	.1								1.2	5.9
NNE	.5	.2	.2	.4	.1							1.4	7.3
NE	.7	.6	.8	.1	.1							2.4	6.7
ENE	1.2	2.9	2.4	1.4	.1							8.0	7.2
E	2.0	4.1	2.4	.8	.2	.1						9.7	6.6
ESE	.5	.4										.8	3.6
SE	.2	.7		.1								1.1	4.7
SSE	.2	1.1	1.0	.4	.1							2.7	7.7
S	1.1	1.9	2.4	1.9	.1							7.4	8.0
SSW	.7	1.6	2.4	3.0	.7							8.4	10.0
SW	.2	2.9	5.3	4.3	.4							13.0	9.6
WSW	.6	3.2	4.5	2.7	2.2	.5	.1					13.9	10.7
W	1.2	2.3	4.3	3.1	1.1	.2	.1					12.3	9.9
WNW	.5	.5	1.0	1.3	.1							3.3	8.9
NW	.4	.6	.2	1.0								2.2	8.2
NNW	.6	.5	.1	.4								1.6	6.4
VARBL						.1	.2					.4	26.7
CALM												10.3	
	10.9	23.9	27.2	21.0	5.3	1.0	.5					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

837

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1 / 100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

JAN

MONTH

ALL WEATHER

CLASS

0600-0800

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	.1									1.6	3.6
NNE	.6	1.1	.2	.5								2.4	6.0
NE	.5	1.3	.7	.2								2.7	5.8
ENE	1.4	2.2	2.7	1.0								7.3	6.9
E	1.9	2.7	2.9	.5	.6							8.6	6.8
ESE	.4	.5	.1									1.0	4.5
SE	.1	1.0	.5	.4								1.9	6.8
SSE	.7	.7										1.4	3.4
S	.8	1.7	1.9	2.6	.5							7.5	9.5
SSW	.5	2.0	3.0	3.7	1.0							10.2	10.2
SW	1.0	2.6	3.9	3.2	.6							11.4	8.9
WSW	.6	2.0	4.3	4.7	1.4	.4						13.4	11.0
W	1.3	2.0	4.5	3.7	.7	.5	.1					12.9	10.0
WNW	.8	.7	.8	.5	.4							3.2	8.0
NW	.2	.6	.6	1.0	.1							2.5	9.0
NNW	.4	.4	.2	.4								1.3	6.5
VARBL			.1	.1		.1						.4	15.3
CALM												10.4	
	11.9	22.2	26.8	22.3	5.3	1.0	.1					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

837

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 - 100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

JAN

MONTH

ALL WEATHER

CLASS

0900-1100

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.8	.1									1.6	4.1
NNE	.7	.5		.2								1.4	4.9
NE	.7	.7	.5	.6								2.5	6.7
ENE	1.7	1.7	3.2	.7								7.3	6.9
E	3.1	3.1	2.3	1.2	.7							10.4	6.7
ESE	.5	.2	.2									1.0	4.6
SE	.5	.7		.1	.1							1.4	6.3
SSE	.4	.7	.4	.1	.2							1.8	7.3
S	1.0	2.4	1.6	2.4	.2	.2						7.8	8.9
SSW	.5	1.9	1.4	4.3	.5							8.6	10.6
SW	1.1	2.5	4.1	4.2	.4	.1						12.3	9.5
WSW	.5	1.7	5.4	3.5	.7	.7						12.4	10.7
W	.8	2.5	4.5	3.7	.6	.2	.1					12.5	9.9
WNW	.4	.4	1.6	1.0		.1						3.3	9.1
NW	.4	.7	1.6									2.6	6.6
NNW	.7	.4	.2	.2								1.6	5.4
VARBL			.4	.2	.4	.1						1.1	14.6
CALM												10.4	
	13.4	20.9	27.4	22.5	3.8	1.6	.1					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

837

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1 0100 BITBURG AB OL 73-81
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
JAN
MONTH
1200-1400
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.2	.2									2.4	4.1
NNE	.6	.6	.2									1.4	4.2
NE	.1	.6	.5	.2	.1							1.6	8.2
ENE	1.3	1.9	2.9	1.0	.1							7.2	7.2
E	2.4	2.7	2.9	1.9	.5							10.4	7.5
ESE	.7	.7	.2	.1								1.8	4.8
SE	.6	.6	.2									1.4	4.3
SSE	.1	1.1	.5	.1	.1							1.9	6.8
S	1.1	1.6	2.3	1.8	.6							7.3	9.0
SSW	.4	1.4	1.3	3.5	1.0	.4						7.9	11.7
SW	.7	2.4	3.3	4.7	1.3	.4						12.8	10.9
WSW	1.2	.8	3.8	5.3	1.0	.2	.2					12.5	11.2
W	1.0	1.9	4.5	5.6	.4							13.4	10.1
WNW	.8	.5	.8	.8	.2	.5						3.7	10.4
NW	.5	.4	.7	.4								1.9	6.9
NNW	.2	.8	1.7	.8								3.6	8.7
VARBL			.1	.2	.8	.2						1.4	17.5
CALM												7.4	
	12.7	19.2	26.3	26.4	6.1	1.7	.2					100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 837

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

196100 BITBURG AB DL 73-81 JAN
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1500-1700
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.2	1.1	.4								2.0	7.6
NNE		.5	.4	.2								1.1	7.7
NE	.1	.2	1.0	.8								2.2	9.7
ENE	1.3	1.6	3.2	.8								6.9	7.2
E	2.4	2.8	2.3	2.0	.1							9.6	7.0
ESE	.8	.5	.1	.1								1.6	4.5
SE	.5	.8	.5									1.8	4.9
SSE	.8	.5	.6									1.9	4.8
S	1.6	1.4	2.9	2.0	.5	.2						8.6	8.9
SSW	.6	2.3	2.0	4.4	1.3							10.6	10.7
SW	.6	2.2	2.2	4.1	1.3	.2						10.5	11.1
WSW	.1	1.2	5.7	4.2	1.6	.2						13.0	11.4
W	.7	1.0	4.9	4.1	1.1		.1					11.8	10.9
WNW	.2	.5	1.3	.4	.2	.4						3.0	11.0
NW		1.7	1.1	.4		.1	.1					3.3	8.5
NNW	.1	.1	1.7	.6								2.5	9.5
VARBL			.2	.6	.2	.2						1.3	16.0
CALM												8.1	
	10.3	17.3	31.1	25.1	6.3	1.4	.2					100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 836

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14100
STATION

BITBURG AB DL
STATION NAME

73-81
YEARS

JAN
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.5	.4	.2	.5								1.6	6.6
NNE	.4	.4	.2	.5								1.4	7.4
NE	.2	.4	1.2	.8	.1							2.7	9.1
ENE	1.0	2.5	2.4	.5								6.3	6.3
E	1.9	3.9	1.8	2.0	.4							10.0	7.3
ESE	1.1	.6	.5									2.2	3.8
SE	.4	.4	.4		.1							1.2	6.2
SSE	.6	.8	.6	.7	.1							2.9	7.8
S	1.2	1.7	2.2	1.8	.1	.1						7.0	8.5
SSW	.5	2.9	3.2	3.5	1.1	.5						11.6	10.2
SW	1.0	2.2	4.1	3.5	1.3	.4						12.3	10.5
WSW	.5	1.9	4.5	3.0	1.3							11.2	10.1
W	.5	2.6	3.9	3.8	1.0	.4						12.2	10.5
WNW	.5	.8	1.2	.7	.2	.4						3.8	9.7
NW		.6	1.7									2.3	7.5
NNW	.5	.7	.2									1.4	4.3
VARBL				.4	.1	.1						.6	16.0
CALM												9.2	
	10.5	22.7	28.3	21.6	5.9	1.8						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS

837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 5100
STATION

BITBURG AB DL
STATION NAME

73-81
YEARS

JAN
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.2	.4									1.1	4.4
NNE	.6	.2	.4	.4								1.6	6.6
NE	.5	1.2	.8	.8								3.4	7.4
ENE	1.4	2.5	2.6	.6								7.2	6.3
E	1.8	3.7	1.8	1.6	.7							9.6	7.3
ESE	.5	.5	.1									1.1	4.2
SE	.6	.7	.2	.1								1.7	5.1
SSE	1.1	1.3	.4	.5	.2	.1						3.6	7.1
S	.8	1.3	2.5	1.7	.2							6.6	9.0
SSW	.7	2.5	3.5	2.8	1.2							10.7	9.7
SW	.7	1.1	3.7	3.5	.8	1.2						11.0	11.7
WSW	1.0	3.0	4.7	4.4	.8	.4	.2					14.5	10.2
W	.8	2.8	4.8	4.0	1.3	.1						13.8	9.8
WNW	.2	.8	1.1	.5	.4	.2						3.2	10.1
NW	.1	.2	.2									.6	5.8
NNW	.5											.5	2.8
VARBL					.1	.1						.2	22.0
CALM												9.8	
	11.9	22.2	27.2	20.7	5.9	2.2	.2					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

835

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1 / 100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

JAN
MONTH

ALL WEATHER

CLASS

ALL

MOON (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.6	.6	.3	.1								1.6	5.3
NNE	.4	.4	.3	.3	.0							1.6	6.5
NE	.5	.8	.8	.5	.0							2.7	7.3
ENE	1.3	2.3	2.8	.8	.0							7.2	6.8
E	2.1	3.4	2.2	1.4	.4	.0						9.6	7.0
ESE	.6	.5	.2	.0								1.3	4.3
SE	.4	.7	.2	.1	.0							1.4	5.3
SSE	.6	.9	.4	.4	.1	.0						2.4	6.9
S	1.0	1.8	2.3	1.9	.3	.1						7.3	8.7
SSW	.5	2.0	2.5	3.6	.9	.1						9.6	10.4
SW	.7	2.3	3.8	3.9	.9	.3						12.0	10.2
WSW	.6	2.0	4.8	3.9	1.4	.4	.1	.0				13.2	10.8
W	.9	2.2	4.5	4.0	.9	.2	.1					12.7	10.1
WNW	.6	.7	1.1	.7	.2	.2						3.6	9.3
NW	.2	.6	.9	.3	.1	.0	.0					2.2	8.1
NNW	.4	.4	.5	.3								1.6	7.0
VARBL			.1	.2	.2	.1	.0					.7	16.8
CALM												9.5	
	11.6	21.5	27.8	22.4	5.6	1.5	.2	.0				100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

6691

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

10-100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

FEB

MONTH

ALL WEATHER

CLAS

0000-0200

HOURL (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.6	.4									2.9	4.5
NNE	.5	1.2	1.0	.3								3.0	6.5
NE	.4	2.1	2.6	.7								5.8	7.4
ENE	2.5	5.1	2.8	1.8	.1							12.3	6.4
E	3.3	6.7	4.7	1.7	.1							16.5	6.4
ESE	1.2	1.3										2.5	3.7
SE	.1	.3										.4	3.3
SSE	.4	1.0	.4									1.8	4.6
S	.4	.7	1.7	.8								3.5	7.9
SSW	.3	.9	1.0	3.0	.3	.4						5.9	11.3
SW	.7	1.6	3.4	2.8	.3	.4						9.1	10.0
WSW	.7	2.6	4.7	2.8	.8	.1						11.7	9.6
W	.5	2.2	2.1	.9	.1							5.9	7.5
WNW	.8	.4	.7	.3								2.1	5.9
NW	.5	.7		.4								1.6	6.2
NNW	.1	.3	.1									.5	5.5
VARBL			.1	.1								.3	11.5
CALM												14.2	
	13.3	28.6	25.9	15.5	1.7	.9						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

762

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFD WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

10:100

BITBURG AB DL

73-81

FEB

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0300-0500

CLASS

HOURLY (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	.8	.4	.3								2.9	4.7
NNE	.8	.8	.9	.3								2.8	6.4
NE	.9	1.6	3.1	.4								6.0	7.0
ENE	2.5	4.6	3.7	1.7								12.5	6.5
E	2.4	6.0	3.9	2.4	.4							15.1	7.0
ESE	.5	.9	.1									1.6	4.1
SE	.7	.3										.9	2.9
SSE	.4	.9	.4									1.7	4.7
S	.9	.3	.4	.1	.1							1.8	5.9
SSW	.3	1.6	1.4	2.9	.4	.1						6.7	10.2
SW	.1	1.7	2.9	3.3	.3	.3						8.5	10.2
WSW	.7	2.5	4.3	3.5	1.3							12.3	9.9
W	.5	2.4	1.0	1.6	.1	.1						5.8	8.5
WNW	.5	.1	.3	.4								1.3	7.3
NW	.5	.3	.3									1.0	5.1
NNW	.3	.4	.3	.1	.3							1.3	8.7
VARB				.1								.1	15.0
CALM												17.6	
	13.4	25.1	23.5	17.1	2.9	.5						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

762

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106100
STATION

BITBURG AB DL
STATION NAME

73-81
YEARS

FEB
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	.9	.4									2.8	4.0
NNE	.5	1.2	.8	.7								3.1	7.2
NE	.5	1.0	2.9	.4								4.9	7.4
ENE	1.6	4.9	4.7	2.0	.3							13.4	7.4
E	2.2	6.0	4.9	2.0	.3							15.4	7.0
ESE	1.2	1.3										2.5	3.5
SE	.7	.5	.8									2.0	5.3
SSE	.9	.3	.3									1.4	3.5
S	.7	.7	1.2	.5								3.0	6.9
SSW	.3	1.3	1.6	1.0	.1							4.3	8.3
SW	.3	1.4	4.1	3.4	.7							9.8	10.2
WSW	.5	2.0	3.7	3.0	.5							9.7	9.6
W	.4	2.5	1.6	2.1	.1							6.7	8.8
WNW	.7	.5	.1	1.0								2.4	7.8
NW	.1	.7	.4	.3	.1							1.6	8.2
NNW	.3	.5	.4									1.2	5.4
VARBL			.4	.1								.5	10.3
CALM												15.4	
	12.2	25.7	28.1	16.5	2.1							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

762

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

106100
STATION

BITBURG AB DL
STATION NAME

73-81
YEARS

FEB
MONTH

ALL WEATHER

0900-1100

BOUND (L.S.T.)

CLAS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	.5	.9									2.9	4.2
NNE	.9	.8	1.6	.3								3.5	6.9
NE	.3	1.0	2.1	1.2								4.6	8.4
ENE	1.2	2.6	5.4	2.5	.4							12.1	8.2
E	2.8	6.2	4.9	2.8	.4							16.9	7.2
ESE	1.6	.8										2.4	2.9
SE	.4	.8	.1									1.3	4.1
SSE	1.0	.9	.7									2.6	4.9
S	.5	1.0	2.1	1.2	.1							5.0	8.4
SSW	.4	1.0	2.9	1.8	.3	.1						6.6	9.3
SW	.8	1.2	3.1	3.0	.8	.1						9.1	10.2
WSW	.8	1.4	2.9	3.4	.9							9.4	10.2
W	.4	.7	2.1	1.6	.3							5.0	9.7
WNW	.5	.4	.4	.5								1.8	7.2
NW	.4	1.3	.5	.9								3.1	7.5
NNW	.5	.4	.3	.1								1.3	5.4
VARBL			.1	.1	.1							.4	13.7
CALM												11.9	
	13.9	21.1	30.1	19.4	3.3	.3						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

762

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

100100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

FEB

MONTH

ALL WEATHER

CLASS

1200-1400

HOURLS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.0	.7	.3								2.2	6.6
NNE	.5	.4	.9	.7								2.5	7.5
NE	.4		1.3	1.7								3.4	9.9
ENE	.8	2.4	3.4	3.0								9.6	8.3
E	2.1	5.0	5.4	4.7	.7							17.8	8.3
ESE	1.4	1.0	.7									3.1	4.6
SE	.9	.8										1.7	3.7
SSE	.4	1.0	.4	.1								2.0	5.3
S	.9	1.3	1.8	1.2								5.2	7.4
SSW	.3	1.7	2.4	1.4	.1	.4						6.3	9.4
SW	1.0	1.3	3.3	3.7	1.6							10.9	10.4
WSW	1.0	1.6	2.5	4.6	1.4							11.2	10.7
W	1.0	1.8	1.7	2.4	.3	.3						7.5	9.1
WNW	.9	.5	.7									2.1	4.9
NW	.1	.4	1.0	.4								2.0	8.5
NNW	.4	.7	.7	.4								2.1	7.3
VARBL			.7	.5	.1							1.3	10.9
CALM												9.1	
	12.6	21.0	27.4	25.1	4.2	.7						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

762

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

10-100 STATION BITBURG AB DL 73-81 YEARS FEB MONTH
STATION NAME CLASS ALL WEATHER
CONDITION 1500-1700 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.9	1.3	.3								2.6	7.3
NNE	.4	.5	1.0	.9								2.9	8.6
NE	.3	.7	1.6	2.2								4.7	9.6
ENE	1.0	2.1	3.0	1.8								8.0	7.9
E	2.4	3.5	4.9	3.5	.7							15.0	8.1
ESE	.5	.5	.5									1.6	5.4
SE	.4	1.0	.1									1.6	4.2
SSE	.7	.7	.4	.1								1.8	5.0
S	.9	2.8	3.9	1.6								9.2	7.5
SSW	.3	2.4	1.7	1.2	.3							5.8	8.1
SW	.5	2.0	2.9	3.1	1.0	.8						10.4	11.1
WSW	.4	1.7	3.0	3.8	1.3							10.2	10.8
W	.7	1.4	3.1	2.4	.7							8.3	9.7
WNW	.5	.5	.5	.7	.1							2.4	7.8
NW	.3	.8	1.0	.3								2.4	7.3
NNW		1.2	.5	.3								2.0	7.5
VARBL			1.4	.8								2.2	10.2
CALM												9.1	
	9.3	22.7	31.1	23.0	4.1	.8						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 762

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

100100 STATION BITBURG AB DL 73-81 YEARS FEB MONTH
ALL WEATHER CLASS 1800-2000 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.9	.7	.3								2.1	6.6
NNE	.3	2.0	1.8	.4								4.5	6.9
NE	.3	1.7	2.1	.7	.1							4.9	7.8
ENE	1.2	3.1	3.5	1.3	.1							9.3	7.1
E	1.4	7.2	4.9	2.9	.1							16.5	7.1
ESE	.9	.8	.4	.3								2.4	5.3
SE	.5	.7										1.2	3.3
SSE	.9	.8	1.2									2.9	5.4
S	.9	2.4	2.6	1.0								7.0	7.1
SSW	.8	2.9	2.0	1.8	.4							7.9	7.9
SW	.3	1.0	2.8	3.3	.7	.5						8.5	11.8
WSW	.7	1.0	3.8	2.6	.3	.1	.1					8.7	10.0
W	.4	1.8	3.7	1.3	.1	.1						7.5	8.7
WNW	.4	.7	.7	.3	.1							2.1	7.3
NW	.5	.5	.7	.1								1.8	5.9
NNW		.4	.3									.7	6.4
VARBL			.3	.1		.1						.5	13.5
CALM												11.7	
	9.7	28.0	31.2	16.4	2.0	.9	.1					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 762

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFC WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

104100
STATION

BITBURG AB DL
STATION NAME

73-81
YEARS

FEB
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.7	.3									3.7	3.9
NNE	.7	1.0	.9	.1								2.8	5.6
NE	1.4	2.2	2.2	1.0								7.0	6.9
ENE	1.4	4.6	3.5	1.3								10.9	6.6
E	2.9	8.4	3.1	2.1								16.5	6.1
ESE	1.0	1.0		.1								2.2	3.9
SE	1.2	1.2	.1									2.5	3.5
SSE	.3	1.2	.9	.1								2.5	5.9
S	1.0	1.8	2.4	.5								5.8	6.4
SSW	.4	1.4	2.4	1.6	.8	.3	.3					7.1	11.0
SW	.5	1.4	2.4	3.1	.3	.3						8.0	10.4
WSW	1.2	2.1	3.8	2.5	.3							9.8	8.4
W	.4	2.6	2.9	1.2	.4							7.5	8.3
WNW	.4		.7	.4								1.4	7.6
NW	.5	.1		.5								1.2	7.8
NNW	.4	.4	.1									.9	3.9
VARBL			.1	.1								.3	10.5
CALM												10.0	
	15.2	31.6	25.9	14.8	1.7	.5	.3					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

762

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

100100

BITBURG AB DL

73-81

FEB

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.1	.6	.1								2.8	5.1
NNE	.6	1.0	1.1	.4								3.1	6.9
NE	.6	1.3	2.2	1.0	.0							5.2	7.9
ENE	1.5	3.7	3.8	1.9	.1							11.0	7.3
E	2.4	6.1	4.6	2.8	.3							16.2	7.1
ESE	1.0	1.0	.2	.0								2.3	4.2
SE	.6	.7	.1									1.4	3.9
SSE	.6	.9	.6	.0								2.1	5.0
S	.8	1.4	2.0	.9	.0							5.1	7.3
SSW	.4	1.7	1.9	1.9	.3	.2	.0					6.3	9.5
SW	.5	1.5	3.1	3.2	.7	.3						9.3	10.5
WSW	.7	1.9	3.6	3.3	.9	.0	.0					10.4	9.9
W	.5	1.9	2.3	1.7	.3	.1						6.8	8.8
WNW	.6	.4	.5	.4	.0							2.0	7.0
NW	.4	.6	.5	.4	.0							1.8	7.2
NNW	.2	.5	.3	.1	.0							1.2	6.6
VARBL			.4	.3	.0	.0						.7	11.1
CALM												12.4	
	12.5	25.5	27.9	18.5	2.7	.6	.0					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

6096

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14100 STATION BITBURG AB DL STATION NAME 73-81 YEARS MAR MONTH
ALL WEATHER CLASS 0000-0200 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	2.9	.7									6.1	4.4
NNE	.8	2.3	.6	.1								3.8	5.0
NE	.4	1.3	1.1	.4								3.1	6.3
ENE	1.6	3.1	3.7	.7								9.1	6.4
E	.7	3.6	3.0	1.7								9.0	7.2
ESE	.7	.1										.8	2.6
SE	.5	.4		.1								1.0	4.4
SSE	.5	1.6	.1	.2								2.4	4.8
S	.6	1.9	1.3	1.3	.2	.1						5.5	8.3
SSW	1.2	.8	3.7	2.5	.4							8.6	9.0
SW	.5	2.4	4.2	4.2	.4	.2						11.8	9.8
WSW	1.0	2.4	3.5	2.2	.5	.1						9.6	8.7
W	1.3	3.3	3.3	1.9	.1							10.0	7.7
WNW	.7	.7	1.1	.4	.2							3.1	7.6
NW	.2	.4	.5	.6								1.7	8.2
NNW	.1	.7	.5	.1								1.4	6.2
VARBL			.1	.1	.1							.4	13.7
CALM												12.7	
	13.3	27.8	27.4	16.5	1.9	.5						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1 6100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

MAR

MONTH

ALL WEATHER

CLASS

0300-0500

HOURLY (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.4	1.2	.2								5.3	5.4
NNE	1.6	1.9	.7									4.2	4.7
NE	1.0	1.3	1.2	.1								3.6	5.6
ENE	1.9	3.8	3.0	.7								9.4	5.9
E	1.4	4.1	3.6	1.3								10.4	6.7
ESE	.2	.4	.1									.7	4.5
SE	.5	.2	.4									1.1	4.3
SSE	.2	.6	.1									1.0	4.8
S	.6	1.6	1.4	1.2	.1							4.9	8.3
SSW	.5	1.1	3.5	2.2	.6							7.8	10.2
SW	1.2	2.5	3.5	3.8	1.1							12.1	9.7
WSW	.8	1.8	2.8	2.5	.6							8.5	9.5
W	1.4	3.0	2.8	2.3	.6	.1						10.2	8.5
WNW	.7	1.0	.8	.4								2.9	6.0
NW	.7	.5		.1								1.3	3.9
NNW	.5	.8	.6	.2								2.2	5.9
VARBL			.2	.2								.5	9.5
CALM												14.1	
	14.7	26.9	25.8	15.3	3.0	.1						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

836

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1 6100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

MAR

MONTH

ALL WEATHER

CLASS

0600-0800

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	1.8	.4	.4								4.1	5.2
NNE	.7	1.2	1.4									3.3	6.1
NE	.8	1.9	1.6	.2								4.5	6.0
ENE	1.1	3.3	2.9	.8	.1							8.2	7.2
E	1.0	3.7	5.3	1.7								11.6	7.3
ESE	.5	.1	.1									.7	3.8
SE	.1	.1										.2	3.5
SSE	.5	1.1	.5	.1								2.2	5.3
S	1.0	1.4	1.9	1.1	.4							5.7	7.9
SSW	.8	1.7	2.9	2.0	.2							7.6	8.6
SW	.8	2.4	2.7	4.3	1.0	.2						11.5	10.2
WSW	.8	3.0	2.9	1.9	.7							9.3	8.6
W	1.2	2.3	3.1	2.6	.5	.2						9.9	9.1
WNW	.5	.6	.7	.1								1.9	6.3
NW	.2	.5	1.0									1.7	6.4
NNW	.7	.6	.5	.2								2.0	5.7
VARBL			.2	.5								.7	11.8
CALM												14.7	
	12.3	25.7	28.0	14.0	2.9	.5						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

837

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

106100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

MAR

MONTH

ALL WEATHER

CLASS

0900-1100

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3	1.2	.1								3.3	6.0
NNE	.5	.8	1.4	.4								3.1	7.1
NE	.7	1.0	1.9	1.1								4.7	7.8
ENE	1.1	1.0	2.9	1.6	.1							6.6	8.2
E	1.7	3.3	6.0	3.1	.2							14.3	8.0
ESE	.4	.4	.1									.8	4.1
SE	.5	.2										.7	3.0
SSE	.1	.4	.8	.2								1.6	7.5
S	.4	1.4	2.0	1.1	.1							5.0	8.3
SSW	.6	1.7	2.9	3.0	.7	.1						9.0	10.0
SW	.6	1.8	3.2	3.7	1.3	.5						11.1	10.8
WSW	.8	2.6	3.8	3.8	.8	.4						12.3	10.0
W	.5	2.9	2.7	2.3	.4							8.7	8.7
WNW	.7	1.2	.7	.2								2.9	5.6
NW		.6	.7	.2								1.6	8.1
NNW	.5	.7	1.1	.2								2.5	6.9
VARBL			.2	.5	.1	.1						1.0	14.1
CALM												10.9	
	9.7	21.3	31.8	21.5	3.8	1.1						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

837

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1 2100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

MAR

MONTH

ALL WEATHER

CLASS

1200-1400

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.7	.8	.7								2.7	7.5
NNE		.6	1.0	.4								1.9	8.4
NE	.5	.4	1.6	1.0								3.3	8.6
ENE	.5	2.0	2.0	2.3	.2							7.0	9.2
E	1.3	2.6	3.5	2.5	.2							10.2	8.0
ESE	.7	1.2	.1									2.0	3.9
SE	.4	.7	.1									1.2	4.8
SSE		1.3	.6	.2								2.2	7.2
S	.1	2.3	2.3	1.3	.4							6.3	8.8
SSW	.4	1.0	3.9	4.2	.8	.2						10.5	11.3
SW	.4	1.8	3.2	3.7	1.3	.7						11.1	11.3
WSW	1.2	1.0	3.1	5.5	1.6	.5						12.8	11.8
W	.5	2.4	3.7	2.9	.1	.1						9.7	9.3
WNW	1.2	1.1	.8	.6								3.7	6.4
NW	.2	.6	.6	.1								1.6	6.3
NNW	.6	.5	1.2	.1								2.4	6.6
VARBL		.1	2.6	3.0								5.7	10.8
CALM												5.6	
	8.4	20.2	31.2	28.4	4.7	1.6						100.0	8.9

TOTAL NUMBER OF OBSERVATIONS

837

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1 4100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

MAR

MONTH

ALL WEATHER

CLASS

1500-1700

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.6	.5	1.0	1.2								3.2	8.2
NNE	.4	.4	1.1	.6								2.4	8.6
NE	.1	.7	1.2	1.4	.1							3.6	10.1
ENE	.5	1.6	2.6	2.0								6.7	8.8
E	.8	1.3	3.2	1.9								7.3	8.5
ESE	1.0	.8	.5									2.3	4.4
SE	.4	.5	.5									1.3	5.7
SSE	.6	.5	1.0	.2								2.3	6.0
S	.6	2.0	2.9	1.6	.2							7.3	8.5
SSW	.6	2.0	3.5	3.0	.7	.1						9.9	9.9
SW	.6	1.3	3.2	6.0	1.6	.7						13.4	12.1
WSW	1.0	2.0	2.6	4.8	1.1	.4						11.8	10.8
W	.6	1.9	4.1	3.1	.7	.2						10.6	10.0
WNW	.4	.7	.7	.8								2.6	8.7
NW	.2	.8	1.2	.4								2.6	7.4
NNW	.4	.8	2.2									3.3	7.3
VARBL		.2	2.6	2.9	.1		.1					6.0	11.3
CALM												3.3	
	8.6	18.2	33.9	29.9	4.5	1.4	.1					100.0	9.3

TOTAL NUMBER OF OBSERVATIONS

837

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

16100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

MAR

MONTH

ALL WEATHER

CLASS

1800-2000

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.7	2.3	.1								4.7	6.6
NNE	.2	.5	2.4	.6								3.7	8.3
NE	.1	.6	1.0	1.0								2.6	9.0
ENE	.5	1.6	3.3	1.8								7.2	8.4
E	.8	2.7	3.3	1.6								8.5	7.5
ESE	.5	.2	.6									1.3	6.0
SE	.5	.7	.2	.1								1.6	5.2
SSE	.7	1.1	.8	.4								3.0	6.0
S	1.1	2.3	2.9	1.6	.2							8.0	7.7
SSW	.8	2.7	2.6	3.5	.8							10.5	9.4
SW	.8	1.7	3.5	2.9	1.0	.2						10.0	10.0
WSW	.7	1.2	3.9	4.4	1.0							11.2	10.8
W	1.0	2.4	3.3	2.4	.2							9.3	8.6
WNW	.5	1.1	1.1	.2	.2	.1						3.2	8.2
NW	.4	1.2	1.0	.4								2.9	7.3
NNW	.5	1.3	1.6									3.3	6.0
VARBL			.8	.2								1.1	9.4
CALM												7.9	
	9.7	22.9	34.6	21.0	3.5	.4						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

637

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1 6120
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

MAR

MONTH

ALL WEATHER

CLASS

2100-2300

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	1.8	1.1	.4								5.0	5.0
NNE	1.4	2.0	1.6	.1								5.1	5.6
NE	1.0	1.3	1.4	.2								3.9	6.0
ENE	1.0	3.0	3.0	1.2								8.1	7.2
E	1.7	3.7	2.9	.8								9.1	6.2
ESE	.5	.2	.2									1.0	4.6
SE	.5	.8	.1	.1								1.6	4.6
SSE	1.0	2.2	1.0									4.1	5.3
S	1.1	1.8	2.0	.6								5.5	6.6
SSW	.5	1.3	3.2	2.3	1.3							8.6	10.6
SW	.4	3.8	4.1	2.9	.6	.1						11.8	8.8
WSW	1.1	1.9	3.5	2.6	.7	.1						9.9	9.3
W	1.3	2.3	2.6	1.9	.1							8.2	7.6
WNW	.4	.8	1.3	.2								2.7	7.0
NW	.7	.1	.8	.1								1.8	5.8
NNW	.2	.6	.2									1.1	5.7
VARBL			.4	.2	.1							.7	12.0
CALM												11.7	
	14.3	27.7	29.4	13.7	2.9	.2						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

837

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1 6100
STATION

BITBURG AB DL

STATION NAME

73-81

YEAR

MAR

MONTH

ALL WEATHER

CLASS

ALL

NOVEMBER (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.6	1.1	.4								4.3	5.8
NNE	.7	1.2	1.3	.3								3.5	6.4
NE	.6	1.1	1.4	.7	.0							3.7	7.4
ENE	1.0	2.4	2.9	1.4	.1							7.8	7.5
E	1.2	3.1	3.8	1.8	.1							10.0	7.4
ESE	.6	.4	.2									1.2	4.3
SE	.4	.5	.2	.0								1.1	4.7
SSE	.4	1.1	.6	.2								2.3	5.8
S	.7	1.8	2.1	1.2	.2	.0						6.0	8.0
SSW	.7	1.5	3.3	2.8	.7	.1						9.1	9.9
SW	.7	2.2	3.5	3.9	1.0	.3						11.6	10.4
WSW	.9	2.0	3.3	3.5	.9	.2						10.7	10.1
W	1.0	2.6	3.2	2.4	.3	.1						9.6	8.7
WNW	.6	.9	.9	.4	.1	.0						2.9	7.0
NW	.3	.6	.7	.2								1.9	6.8
NNW	.4	.8	1.0	.1								2.3	6.4
VARIABLE		.0	.9	1.0	.1	.0	.0					2.0	11.2
CALM												10.1	
	11.4	23.8	30.3	20.3	3.4	.7	.0					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

6695

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

16100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

APR
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	4.4	1.5	.4								8.3	5.2
NNE	2.2	4.9	1.7	.1								9.0	5.2
NE	2.2	3.3	1.7	1.0								8.3	5.9
ENE	2.0	4.8	3.5	.6								10.9	5.8
E	1.5	4.2	3.0									8.6	5.6
ESE	.5	.4	.1									1.0	3.9
SE	.9	.4										1.2	2.6
SSE	.5	1.1	.1									1.7	4.4
S	.4	.7	.5									1.6	5.1
SSW	.5	.4	1.5	.5								2.8	7.8
SW	.2	1.6	2.3	1.2	.4							5.8	9.0
WSW	.7	1.7	3.0	.5	.1							6.0	7.6
W	2.0	3.3	2.6	1.1		.1						9.1	6.5
WNW	1.0	1.7	.7	.1	.2							3.8	5.9
NW	.9	1.4	.5	.2								3.0	5.1
NNW	2.1	1.7	.6	.1	.1							4.7	4.5
VARBL				.1								.1	13.0
CALM												14.0	
	20.0	35.7	23.3	6.0	.9	.1						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

106100
STATION

BITBURG AB DL
STATION NAME

73-81
YEARS

APR
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	5.2	2.1	.7								10.7	5.3
NNE	2.7	3.2	1.9	.2								8.0	5.1
NE	1.7	2.2	1.6	1.2								6.8	6.4
ENE	2.1	6.3	4.1	.7								13.2	5.9
E	2.7	3.6	2.5									8.8	5.2
ESE	.6		.1									.7	3.7
SE	.2	.5										.7	4.0
SSE	.1	.4										.5	4.5
S	.6		.4									1.0	4.4
SSW	.1		.6	.5	.1							1.4	10.5
SW		1.4	3.0	.6	.2							5.2	8.9
WSW	.1	2.1	2.8	1.9	.1	.1						7.2	9.1
W	1.9	2.7	4.6	.7	.2	.1						10.2	7.0
WNW	.9	1.1	.5	.4	.2	.1						3.2	7.2
NW	1.2	1.4	.4									3.0	4.2
NNW	1.7	1.0	.1	.2								3.1	4.0
VARB			.1	.1								.2	10.5
CALM												16.0	
	19.5	31.0	24.7	7.4	1.0	.4						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

810

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

100100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

APR

MONTH

ALL WEATHER

CLASS

0600-0800

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) Dir.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	3.8	1.7									8.3	4.7
NNE	2.8	3.6	2.0	.2								8.6	5.0
NE	1.5	2.2	1.5	1.0								6.2	6.5
ENE	2.5	5.4	3.5	1.4								12.7	6.2
E	2.1	4.7	2.0									8.8	4.9
ESE	.4	.2	.1									.7	4.0
SE		.5										.5	4.0
SSE	.2	.4		.1								.7	5.2
S	.6	.2		.2								1.1	4.8
SSW	.2	.2	.9	.2								1.6	7.3
SW	.4	1.2	2.3	1.9								5.8	8.8
WSW	.5	1.6	4.0	2.1	.2							8.4	8.9
W	1.6	2.5	3.3	1.0	.1	.1						8.6	7.0
WNW	2.1	1.1	1.6	.4								5.2	5.2
NW	.7	1.7	.6	.1	.1							3.3	5.6
NNW	1.2	1.1	1.2									3.6	5.2
VARBL				.2	.1							.4	15.7
CALM												15.4	
	19.6	30.6	24.7	8.9	.6	.1						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

810

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

100100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

APR

MONTH

ALL WEATHER

CLARE

0900-1100

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	2.2	2.0	.7								7.4	6.0
NNE	1.6	2.1	1.0	.5								5.2	5.5
NE	1.0	.4	2.0	1.0	.1							4.4	8.0
ENE	1.5	4.1	4.7	2.8								13.1	7.9
E	2.1	6.7	4.8	1.0								14.0	6.4
ESE	.7	.2	.4									1.4	4.4
SE	.4	.7										1.1	3.8
SSE	.5	.7										1.2	3.9
S	.5	.5	.7	.1								1.9	5.9
SSW	.6	.5	.5	.7	.1							2.5	7.8
SW	.5	1.2	2.3	.7	.1	.1						5.1	8.8
WSW	.2	1.7	4.1	4.2	.5	.1						10.9	10.3
W	1.5	2.2	3.6	2.3								9.6	7.7
WNW	1.2	1.1	1.0	.7								4.1	6.3
NW	.7	1.1	1.7	.4								4.0	6.9
NNW	1.7	1.7	1.2	.9								4.8	6.6
VARBL	.1		1.5	1.1	.1	.1						3.0	11.1
CALM												6.5	
	16.7	26.7	31.5	17.3	1.0	.4						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

100100
STATION

BITBURG AB DL
STATION NAME

73-81
YEARS

APR
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.4	2.8	1.6								6.5	8.3
NNE	.2	.9	1.6	.5								3.2	7.7
NE	.4	1.0	1.7	1.4	.2							4.7	9.1
ENE	.5	1.2	3.7	2.8								8.3	9.4
E	1.1	2.7	3.2	1.2								8.3	7.2
ESE	.6	1.5	.1	.4								2.6	5.5
SE	.4	1.0	.4	.1								1.9	5.4
SSE	1.0	1.4	.4	.1								2.8	4.5
S	.2	1.1	.7	.4								2.5	7.1
SSW	.1	1.5	1.1	2.0								4.7	9.2
SW	.7	.7	2.8	1.5	.6	.1						6.5	9.8
WSW	.4	1.0	3.1	3.2	.2							7.9	10.0
W	1.0	2.7	2.7	3.0	.4							9.8	9.0
WNW	.2	1.6	1.2	.6	.4							4.1	8.7
NW	.4	1.1	2.0	.9								4.3	7.9
NNW	.7	1.1	1.7	1.5	.1							5.2	8.2
VARBL		.7	7.4	3.5	.4	.4						12.3	10.3
CALM												4.4	
	8.8	22.6	36.8	24.6	2.3	.5						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS

610

USAFETAC

FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

104100
STATION

BITBURG AB DL
STATION NAME

73-81
YEARS

APR
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	2.5	3.0	1.5								7.5	7.9
NNE	.4	.5	1.7	1.7								4.3	9.2
NE	.2	1.0	1.9	1.5	.2							4.8	9.9
ENE	.4	1.6	2.7	1.9	.2							6.8	9.2
E	.4	2.1	2.1	1.4								5.9	8.2
ESE	.5	.7	.7	.2								2.2	6.9
SE	.7	1.2	.2	.1								2.3	4.7
SSE	.5	.2	.2	.1								1.1	4.9
S	.4	2.0	1.9	.6								4.8	7.0
SSW	1.0	1.4	1.0	1.1	.4							4.8	8.3
SW	.1	1.2	3.0	1.6	.2	.2						6.4	10.0
WSW	.5	1.1	1.9	2.3	.1	.1						6.0	10.0
W	1.4	1.9	4.4	4.1	.4							12.1	9.4
WNW	.6	1.5	1.5	.2								3.8	6.5
NW	.4	1.1	1.6	.7	.2							4.1	8.4
NNW	.5	1.5	2.1	2.0	.4							6.4	9.4
VARBL		.5	8.8	4.1	.7							14.1	10.4
CALM												2.3	
	8.5	22.0	38.6	25.2	3.0	.4						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

810

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

100100
STATION

BITBURG AB DL
STATION NAME

73-81
YEARS

APR
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.6	2.7	5.9	2.2	.1							11.6	8.3
NNE	.6	1.9	3.2	.6	.1							6.4	7.5
NE	.5	1.9	2.8	2.1	.2							7.5	9.0
ENE	1.0	2.7	2.7	2.0								8.4	7.8
E	1.1	3.1	3.3	.2								7.8	6.2
ESE	.4	.9	.7	.1								2.1	6.1
SE	.2	1.2	.1									1.6	4.5
SSE	.7	.4	.4	.1								1.6	5.2
S	.5	1.7	1.4	.2								3.8	6.0
SSW	.4	1.4	1.2	1.2	.2							4.4	8.9
SW	.7	1.1	2.1	1.1								5.1	7.8
WSW	.1	.9	3.3	2.3	.2							6.9	10.1
W	.7	2.0	3.8	1.9		.1		.1				8.6	8.7
WNW	.4	1.0	2.0	.6								4.0	7.8
NW	.6	2.1	2.3	.9								5.9	7.2
NNW	.7	2.0	2.7	1.6	.1							7.2	8.4
VARBL			1.7	1.1								2.8	10.3
CALM												4.2	
	9.4	26.8	39.9	18.4	1.1	.1		.1				100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

810

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

106100 STATION BITBURG AB DL STATION NAME 73-81 YEARS APR MONTH 2100-2300 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	4.7	2.8	1.0								10.7	5.9
NNE	2.0	4.8	3.2	.4								10.4	5.7
NE	1.1	2.3	2.0	.6								6.0	6.4
ENE	2.2	4.3	2.5	.9								9.9	6.0
E	1.9	5.1	1.4									8.3	4.9
ESE	1.2	1.5	.1									2.8	4.0
SE	1.0	.2		.1								1.4	3.6
SSE	.4	.2	.1									.7	4.3
S	.2	1.2	.7	.5								2.7	7.5
SSW	.6	1.4	.9	.5								3.3	6.4
SW	.1	1.6	2.5	1.1	.2							5.6	8.7
WSW	.9	1.5	2.6	1.6								6.5	7.8
W	1.5	2.8	2.8	.5	.2							7.9	6.7
WNW	.5	1.6	.9	.4								3.3	6.4
NW	1.0	1.9	1.9	.1								4.8	6.0
NNW	2.2	2.2	1.4	.1								5.9	4.9
VARBL			.2									.2	9.5
CALM												9.4	
	19.0	37.4	25.9	7.8	.5							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

100100
STATION

BITBURG AB DL
STATION NAME

73-81
YEARS

APR
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	3.3	2.7	1.0	.0							8.9	6.4
NNE	1.6	2.7	2.0	.5	.0							6.9	6.0
NE	1.1	1.8	1.9	1.2	.1							6.1	7.5
ENE	1.5	3.8	3.4	1.6	.0							10.4	7.1
E	1.6	3.9	2.8	.5								8.8	6.0
ESE	.6	.7	.3	.1								1.7	5.1
SE	.5	.7	.1	.0								1.3	4.3
SSE	.5	.6	.2	.1								1.3	4.6
S	.4	.9	.8	.3								2.4	6.4
SSW	.4	.8	1.0	.8	.1							3.2	6.3
SW	.4	1.3	2.5	1.2	.2	.1						5.7	9.0
WSW	.4	1.5	3.1	2.3	.2	.0						7.5	9.3
W	1.4	2.5	3.5	1.8	.2	.1		.0				9.5	7.8
WNW	.9	1.3	1.2	.4	.1	.0						3.9	6.7
NW	.7	1.5	1.4	.4	.0							4.0	6.6
MNW	1.3	1.5	1.4	.8	.1							5.1	6.7
VARBL	.0	.2	2.5	1.3	.2	.1						4.2	10.5
CALM												9.0	
	15.2	29.1	30.7	14.4	1.3	.2		.0				100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 6480

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 0100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

MAY

MONTH

ALL WEATHER

CLASS

0000-0200

HOWRS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.7	1.0	.2								4.1	5.2
NNE	2.2	2.0	.5									4.7	4.0
NE	1.2	2.9	.6	.1								4.8	4.8
ENE	3.1	6.3	4.2	1.6								15.2	6.0
E	3.0	8.9	2.0									13.9	4.9
ESE	1.1	1.4	.8									3.3	4.8
SE	.5	.7										1.2	3.8
SSE	1.0	.8										1.8	3.1
S	.7	1.4	1.1		.2							3.5	6.4
SSW	.5	2.2	1.7	1.3	.2							5.9	8.1
SW	.2	1.4	3.2	.2								5.1	7.3
WSW	.6	3.1	2.4	.5								6.6	6.5
W	1.3	3.1	2.3	.6								7.3	6.0
WNW	1.3	1.2	1.4									3.9	5.3
NW	.1	1.2	.5									1.8	5.5
NNW	.8	.5	.6	.2								2.2	5.6
VARBL			.1									.1	7.0
CALM												14.7	
	18.8	38.9	22.4	4.8	.5							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

836

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106100
STATION

BITBURG AB DL
STATION NAME

73-81
YEARS

MAY
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	2.4	1.0									5.9	4.2
NNE	1.3	1.8	1.0									4.1	4.7
NE	1.9	1.8	.5	.2								4.4	4.4
ENE	3.3	8.0	4.2	1.0								16.5	5.6
E	2.3	7.0	4.7	.1								14.1	5.7
ESE	.6	.7	.1									1.4	4.2
SE	1.0	.1										1.1	2.2
SSE	.6	.6										1.2	3.5
S	1.0	1.6	1.6									4.1	5.6
SSW	1.1	1.4	1.8	.8		.1						5.3	7.3
SW	1.1	3.2	2.6	.5								7.4	6.6
WSW	.7	1.9	1.6	.4		.2	.1					4.9	7.6
W	1.3	4.3	3.2	.6								9.4	6.2
WNW	.5	1.0	.4	.1								1.9	5.6
NW	.5		.4	.4								1.2	6.8
NNW	.4	.6	.6	.4								1.9	7.0
VARBL			.1									.1	7.0
CALM												15.2	
	20.0	36.4	23.5	4.4		.4	.1					100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 837

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 6100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

MAY
MONTH

ALL WEATHER

CLASS

0600-0600

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	1.6	1.7									5.4	4.9
NNE	1.7	1.9	1.2	.1								4.9	5.1
NE	1.4	2.4	.6	.4								4.8	5.0
ENE	2.3	5.1	5.0	1.3								13.7	6.4
E	3.2	6.0	6.0	.5								15.7	5.9
ESE	.5	1.0	.4									1.8	4.4
SE	.6	.2										.8	2.7
SSE	.7	.4	.1									1.2	3.3
S	1.4	1.2	1.2									3.8	5.2
SSW	.5	1.3	1.6	1.2	.1							4.7	8.4
SW	.8	2.3	2.0	.4								5.5	6.5
WSW	1.9	1.7	3.2	.8								7.6	6.8
W	1.3	3.5	2.4	.6	.2	.1						8.1	6.9
WNW	1.3	.5	.2	.2	.1							2.4	5.1
NW	.6	1.0	.4	.2								2.2	5.3
NNW	.7	.2	.5									1.4	5.3
VARBL													
CALM												16.0	
	21.1	30.1	26.4	5.7	.5	.1						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

837

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1 6100
STATION

BITBURG AB DL

STATION NAME

73-81

YEAR

MAY
MONTH0900-1100
HOURS (L.S.T.)

ALL WEATHER

CLAS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.6	1.6	.1								4.5	5.5
NNE	.4	.7	1.6	.1								2.7	6.9
NE	.5	.7	1.6	.4								3.1	7.0
ENE	.8	2.3	2.9	1.6								7.5	7.6
E	2.3	5.1	9.0	4.8								21.1	7.9
ESE	.8	.8	.5									2.2	4.9
SE	.5	.5	.1	.1								1.2	5.2
SSE	1.3	.2	.1									1.7	2.9
S	1.6	1.9	1.7	.5								5.6	5.9
SSW	1.2	1.1	2.0	2.0	.4							6.7	8.6
SW	.7	1.3	3.6	1.6								7.2	8.2
WSW	1.3	2.5	4.3	1.0								9.1	7.2
W	.8	2.7	2.5	2.2	.1							8.4	8.2
WNW	1.6	1.7	.5	.7	.1							4.5	6.1
NW	.6		.8	.2								1.7	6.9
NNW	.2	.7	.4	.4								1.7	6.9
VARBL		.1	2.6	1.3	.2							4.3	10.3
CALM												6.8	
	15.9	24.0	35.5	17.0	.8							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

837

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1 6100

BITBURG AB DL

73-81

MAY

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1200-1400

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.1	1.8									3.5	6.6
NNE	.6	1.6	1.2	.2								3.6	6.3
NE	.2	.4	1.4	.1								2.2	7.4
ENE	1.0	2.3	2.2	2.0	.1							7.5	8.2
E	1.1	2.3	5.5	2.9								11.7	8.6
ESE	.4	.8	1.1	.1								2.4	7.0
SE	.5	.7		.1								1.3	4.2
SSE	.6	.1	.1	.2								1.1	5.8
S	1.1	1.0	2.0	.4	.2							4.7	7.1
SSW	1.1	2.0	2.6	2.9								8.6	8.4
SW	.1	1.3	2.9	3.5	.1							7.9	9.9
WSW	.6	1.9	3.9	3.1	.2							9.8	9.2
W	1.1	2.3	3.2	1.7	.2							8.5	8.1
WNW	.5	1.0	.4	.8	.2							2.9	8.3
NW	.2	.7	1.0	.5								2.4	8.0
NNW	.5	1.0	1.0	.1								2.5	6.4
VARBL		.6	10.6	4.3	.4	.1						16.0	9.9
CALM												3.6	
	10.0	20.9	40.9	22.9	1.6	.1						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

16100
STATION

BITBURG AB DL
STATION NAME

73-81
YEARS

MAY
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.6	1.9	.8								4.8	7.9
NNE	.4	1.8	.8	.4								3.3	6.1
NE	.1	.8	.6	.1								1.7	6.6
ENE	1.0	1.8	4.7	1.3	.1							8.8	7.6
E	.5	2.3	3.5	2.2	.1							6.5	8.7
ESE	.6	1.1	.4	.2								2.3	5.5
SE	.5	.8										1.3	3.8
SSE	.7	1.1	.2									2.0	4.4
S	1.3	1.7	1.3	1.2								5.5	6.9
SSW	.7	1.2	3.5	1.9								7.3	8.8
SW	.2	1.8	3.2	2.9	.2							8.4	9.3
WSW	.6	.8	3.5	2.6	.2							7.8	9.7
W	.8	2.0	4.3	1.8	.2							9.2	8.3
WNW	.6	.7	1.7	.8								3.8	7.9
NW	.2	1.1	1.3	.4	.1							3.1	7.7
NNW	.5	1.2	1.2	.7								3.6	7.6
VARBL		.2	9.3	4.8	.8							15.2	10.3
CALM												3.5	
	9.2	22.0	41.3	22.1	1.9							100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6100 STATION BITBURG AB DL STATION NAME 73-81 YEARS MAY MONTH
ALL WEATHER CLASS 1800-2000 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.6	3.2	.5								6.1	7.1
NNE	.8	1.2	1.8	.4								4.2	6.5
NE	.2	1.7	1.0	.2	.1							3.2	6.9
ENE	1.1	2.0	3.3	1.7	.1							8.2	7.8
E	1.3	5.1	5.4	1.2								13.0	6.9
ESE	1.0	1.2	1.7									3.8	6.0
SE	.5	.5	.7	.1								1.8	5.9
SSE	.2	.6	.4									1.2	5.4
S	1.8	1.2	2.0	.5	.1							5.6	6.2
SSW	.2	1.6	2.9	.5								5.1	7.6
SW	.8	3.3	3.9	2.0	.1							10.3	8.2
WSW	.7	2.5	3.7	1.6	.2							8.7	8.2
W	1.1	1.4	5.5	1.3								9.3	8.1
WNW	.4	1.1	1.6	.4	.1							3.5	7.8
NW	.5	.6	.6	1.1		.1						2.9	9.0
NNW	.4	1.2	1.2	.7	.4							3.8	8.3
VARBL		.1	1.6	1.8	.1							3.6	10.8
CALM												5.6	
	11.8	26.9	40.4	13.9	1.3	.1						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 837

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1 6100 BITBURG AB DL 73-81 MAY
STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
2100-2300
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.3	1.1	.1								5.5	4.8
NNE	1.6	1.4	.8									3.8	4.4
NE	1.2	3.2	.8									5.3	4.8
ENE	2.3	5.4	2.7	1.8	.1							12.3	6.4
E	4.2	7.5	2.2	.1								14.0	4.6
ESE	1.3	1.7	.2									3.2	3.6
SE	.6	.4										1.0	2.9
SSE	1.7	.1	.2									2.0	3.1
S	1.0	.7	1.2	.5								3.3	6.7
SSW	.6	3.9	2.3	.8	.1							7.8	6.9
SW	.4	3.7	1.8	.2								6.1	6.2
WSW	1.1	2.5	3.0	.4								6.9	6.4
W	1.1	2.0	3.7	.6	.2							7.6	7.3
WNW	.8	1.0	1.2	.2								3.2	6.2
NW	1.1	1.3		.6								3.0	5.4
NNW	.8	.6	.8	.1								2.4	5.5
VARBL				.2	.1							.4	15.7
CALM												12.2	
	21.6	37.8	22.1	5.7	.6							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 837

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

MAY

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.7	1.6	.2								5.0	5.7
NNE	1.1	1.6	1.1	.1								3.9	5.4
NE	.9	1.7	.9	.2	.0							3.7	5.5
ENE	1.9	4.2	3.6	1.5	.1							11.2	6.7
E	2.2	5.5	4.8	1.5	.0							14.0	6.6
ESE	.8	1.1	.6	.0								2.6	5.1
SE	.6	.5	.1	.0								1.2	4.1
SSE	.9	.5	.1	.0								1.5	3.8
S	1.2	1.3	1.5	.4	.1							4.5	6.3
SSW	.7	1.8	2.3	1.4	.1	.0						6.4	8.0
SW	.6	2.3	2.9	1.4	.1	.0						7.2	7.9
WSW	.9	2.1	3.2	1.3	.1	.0	.0					7.7	7.8
W	1.1	2.7	3.4	1.2	.1	.0						8.5	7.4
WNW	.9	1.0	.9	.4	.1	.0						3.3	6.6
NW	.5	.7	.6	.4	.0	.0						2.3	6.9
NNW	.5	.7	.8	.3	.0	.0						2.4	6.8
VARBL		.1	3.0	1.6	.2	.0						5.0	10.2
CALM												9.7	
	16.1	29.6	31.6	12.1	.9	.1	.0					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

6695

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1 0100

BITBURG AB DL

73-81

JUN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0000-0200

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	2.8	.4									5.4	4.1
NNE	2.8	3.3	.5	.1								6.8	4.0
NE	1.0	3.3	.9	.2								5.4	5.2
ENE	2.6	4.4	1.0									8.0	4.5
E	4.4	3.2	.4									8.0	3.5
ESE	.2	.7										1.0	4.0
SE	.2	.6										.9	3.9
SSE	.6	.6										1.2	3.0
S	.6	1.1	.5									2.2	5.1
SSW	.2	2.2	.6	1.1								4.2	7.3
SW	1.0	1.7	3.2	1.0		.1						7.0	7.5
WSW	1.5	3.8	3.1	.6								9.0	6.3
W	1.7	4.3	3.0	.4								9.4	5.9
WNW	1.9	2.1	1.2	.1								5.3	5.1
NW	1.6	1.1	.5									3.2	4.2
NNW	2.0	1.2	.7									4.0	4.5
VARBL													
CALM												18.8	
	24.7	36.8	15.9	3.6		.1						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

809

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 0100 BITBURG AB DL 73-81 JUN
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0300-0500
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.8	1.6	1.4	.1								6.9	4.1
NNE	3.8	2.7	.7									7.3	3.7
NE	1.2	2.1	.7									4.1	4.7
ENE	3.2	3.8	.7									7.8	4.1
E	3.1	3.2	1.5									7.8	4.3
ESE	.5		.1									.6	3.4
SE	.9											.9	2.1
SSE	.1	1.1										1.2	4.3
S	.9	1.0	.1									2.0	3.8
SSW	1.1	1.4	1.7	.4	.1							4.7	6.7
SW	.7	2.0	2.7	1.0								6.4	7.2
WSW	1.0	2.3	3.8	.6								7.8	6.9
W	1.9	3.5	2.8	.2								8.4	5.6
WNW	1.6	1.4	1.0	.6								4.6	5.6
NW	1.2	1.5	.5	.1								3.3	4.9
NNW	2.0	.9	.5									3.3	3.9
VARBL			.1									.1	10.0
CALM												22.8	
	27.0	28.4	18.5	3.1	.1							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 810

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

JUN
MONTH

ALL WEATHER

CLARE

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.1	2.1	1.2	.2								7.7	4.1
NNE	3.1	1.6	1.4									6.0	4.1
NE	2.2	1.5	1.1									4.8	4.5
ENE	2.6	3.2	1.7									7.5	4.6
E	3.1	4.1	1.2	.1								8.5	4.5
ESE	.9	.2	.2									1.4	3.5
SE	.9	.1										1.0	2.3
SSE	.1	.4										.5	4.0
S	.6	.6	.4	.1								1.7	5.4
SSW	.4	1.1	2.1	.9	.1							4.6	8.2
SW	.9	1.7	4.3	1.1								8.0	7.6
WSW	2.2	2.8	2.8	1.7								9.6	6.6
W	1.4	3.0	2.8	.1								7.3	6.0
WNW	1.9	1.1	.7									3.7	4.2
NW	1.0	1.1	1.1	.1								3.3	5.6
NNW	1.0	1.2	.6	.1								3.0	5.1
VARBL			.1									.1	10.0
CALM												21.2	
	26.2	25.9	22.0	4.6	.1							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

810

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

106100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

JUN

MONTH

ALL WEATHER

CLASS

0900-1100

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.1	1.4	.1								4.8	5.4
NNE	.5	1.4	1.6	.1								3.6	6.2
NE	.4	1.5	1.7	.1								3.7	6.6
ENE	2.1	3.0	2.3	.1								7.5	5.3
E	4.7	5.6	3.7	.2								14.2	5.0
ESE	.5	.4										.9	2.7
SE	.6	.4										1.0	2.6
SSE	.4	.4	.1									.9	4.1
S	1.2	.9	.6	.2								3.0	5.1
SSW	.4	1.1	3.5	1.1								6.0	8.5
SW	.6	1.1	4.3	1.7	.4							8.1	9.3
WSW	.9	3.1	3.3	2.0								9.3	7.9
W	1.6	4.0	4.6	1.1	.2							11.5	7.0
WNW	.6	1.6	1.4	.5								4.1	6.6
NW	.7	.7	1.0	.2								2.7	6.2
NNW	.9	1.0	1.4	.6								3.8	6.9
VARBL		.2	4.1	1.1								5.4	9.1
CALM												9.5	
	17.3	28.3	34.9	9.4	.6							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

106100
STATION

PITBURG AB DL
STATION NAME

73-81
YEARS

JUN
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.4	2.5	.2								4.4	7.4
NNE	.9	1.9	.9									3.6	4.9
NE	.7	1.1	1.0									2.8	5.6
ENE	1.1	1.7	1.0	.6								4.4	5.9
E	1.6	2.5	2.6	.5								7.2	6.4
ESE	.7	1.1	.1									2.0	4.1
SE	.5	.6	.4	.1								1.6	5.6
SSE	.7	.5	.1									1.4	3.9
S	1.0	1.0	1.2									3.2	5.8
SSW	.9	1.6	2.3	1.7								6.5	8.4
SW	.7	1.9	2.3	3.2	.4	.1						8.6	10.0
WSW	.7	2.6	2.3	3.6	.5							9.8	9.5
W	1.4	3.0	5.3	3.0	.1							12.7	8.0
WNW	.5	1.0	1.4	.6								3.5	7.2
NW	.5	1.2	1.5	.2								3.5	6.5
NNW	1.0	.9	1.5	.1								3.5	6.0
VARBL		.9	11.1	4.6	.1							16.7	9.6
CALM												4.7	
	13.3	24.7	37.5	18.5	1.1	.1						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

810

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106100
STATION

BITBURG AB DL
STATION NAME

73-81
YEARS

JUN
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.1	2.1	.7								4.8	7.4
NNE	.7	2.0	2.2	1.0								5.9	7.1
NE	.5	1.0	1.4	.4								3.2	6.9
ENE	1.2	1.1	1.6	.1								4.1	5.6
E	1.6	2.6	1.4	.5								6.0	5.9
ESE	.9	.7	.4									2.0	4.1
SE	.2	.4	.5									1.1	5.7
SSE	.5	.4	.2	.1								1.2	5.4
S	1.2	.9	1.4	.2								3.7	5.9
SSW	.6	1.2	1.5	1.4								4.7	8.0
SW	.4	1.7	1.6	2.8	.9							7.4	10.3
WSW	.6	3.0	3.2	3.5	.6	.1						11.0	10.0
W	1.1	2.8	4.6	4.3	.1							13.0	8.8
WNW	1.1	1.5	2.2	.4								5.2	6.2
NW	1.2	1.5	1.7	.4								4.8	6.3
NNW	.4	.9	1.5	.5								3.2	7.4
VARBL	.1	.5	10.6	4.1	.7							16.0	10.0
CALM												2.6	
	13.3	23.2	38.0	20.4	2.3	.1						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

610

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

10-100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

JUN

MONTH

ALL WEATHER

CLASS

1800-2000

HOURLS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.7	2.8	3.1	.5								7.2	6.7
NNE	1.0	2.2	4.3	.7								8.3	7.2
NE	.2	1.1	1.5									2.8	6.4
ENE	.9	1.9	1.5	.2								4.4	5.9
E	2.2	3.5	2.8									8.5	5.3
ESE	1.0	.9	.2									2.1	3.9
SE	.4	1.1	.1									1.6	4.8
SSE	.1	.4	.2									.7	5.5
S	1.0	1.0	.6									2.6	4.9
SSW	1.0	.9	1.4	1.1	.1							4.4	7.9
SW	1.1	1.6	3.1	2.2	.4							8.4	8.6
WSW	.7	2.2	4.4	2.8	.1							10.4	8.5
W	.6	3.3	5.7	3.3	.4							13.3	8.7
WNW	.4	2.0	2.1	.7	.1							5.3	7.5
NW	.1	2.0	1.7	.2								4.1	6.8
NNW	.4	3.2	2.1	.7								6.4	6.8
VARBL		.1	2.8	2.5								5.4	10.3
CALM												4.0	
	11.9	30.1	37.8	15.2	1.1							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

810

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106100

BITBURG AB DL

73-81

JUN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

2100-2300

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.5	3.1	1.2									7.8	4.3
NNE	2.0	4.3	1.5									7.8	4.9
NE	1.2	4.1	1.9	.4								7.5	5.5
ENE	1.4	3.6	.6									5.6	4.6
E	3.5	2.0	.4									5.8	3.3
ESE	1.4	1.4	.1									2.8	3.3
SE	.7	.4										1.1	3.0
SSE	.5	.1										.6	2.4
S	.5	.7	.1									1.4	3.7
SSW	.4	1.6	1.0	.6								3.6	6.8
SW	1.2	2.8	3.2	.6	.1							8.0	6.8
WSW	1.4	4.1	3.8	2.2								11.5	7.3
W	1.6	5.2	2.6	1.0	.1							10.5	6.3
WNW	1.2	2.1	1.1	.2								4.7	5.5
NW	1.2	2.0	1.4	.2								4.8	5.6
NNW	2.2	1.2	1.7	.1								5.3	4.8
VARBL			.6									.6	9.4
CALM												10.6	
	23.8	38.6	21.2	5.4	.2							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

810

2 GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106100
STATION

BITBURG AB DL
STATION NAME

73-81
YEARS

JUN
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.1	1.7	.2								6.1	5.2
NNE	1.9	2.4	1.6	.2								6.2	5.3
NE	.9	2.0	1.3	.1								4.3	5.6
ENE	1.9	2.8	1.3	.1								6.2	4.9
E	3.0	3.3	1.7	.2								8.3	4.8
ESE	.8	.7	.2									1.6	3.7
SE	.6	.4	.1	.0								1.1	4.0
SSE	.4	.5	.1	.0								1.0	4.1
S	.9	.9	.6	.1								2.5	5.1
SSW	.6	1.4	1.8	1.0	.0							4.8	7.8
SW	.8	1.8	3.1	1.7	.3	.0						7.8	8.5
WSW	1.1	3.0	3.4	2.1	.2	.0						9.8	7.9
W	1.4	3.6	3.9	1.7	.1							10.8	7.3
WNW	1.1	1.6	1.4	.4	.0							4.5	6.0
NW	1.0	1.4	1.2	.2								3.7	5.8
NNW	1.2	1.3	1.3	.3								4.1	5.7
VARBL	.0	.2	3.7	1.5	.1							5.6	9.8
CALM												11.8	
	19.7	29.5	28.2	10.0	.7	.0						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 6479

2 GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 6100
STATION

BITBURG AB DL
STATION NAME

73-81
YEAR

JUL
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.2	.4									3.5	3.6
NNE	1.2	1.8										3.0	3.8
NE	1.4	1.3										2.8	3.6
ENE	3.5	3.1	.4									7.0	3.8
E	1.4	5.0	.2									6.7	4.5
ESE	.5	.2										.7	3.0
SE	.2	.2										.5	3.5
SSE	.4	.2										.6	3.0
S	1.2	.6	.4									2.2	3.9
SSW	.4	1.1	1.1	.1	.1							2.8	6.9
SW	1.0	3.4	4.6	1.0								9.8	7.0
WSW	.7	4.9	6.2	1.1								12.9	7.1
W	2.6	6.0	5.2	1.3								15.1	6.4
WNW	1.2	1.6	.7	.1	.1							3.7	5.2
NW	2.2	1.3	.5	.2								4.2	4.0
NNW	2.4	1.0	.8									4.2	4.1
VARBL			.1	.1								.2	10.5
CALM												20.1	
	22.2	33.0	20.5	4.0	.2							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

834

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1 6100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

JUL
MONTH

ALL WEATHER

CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	2.5	.4									5.7	3.6
NNE	1.1	1.3	.1									2.5	3.7
NE	.6	.8										1.4	3.3
ENE	1.9	3.1	.6									5.6	4.3
E	1.6	5.9	1.0									8.4	4.5
ESE	.1	.1	.1									.4	4.3
SE	.1											.1	2.0
SSE	.1											.1	3.0
S	.6	.4										1.0	3.3
SSW	.7	2.3	2.0	.2								5.3	6.4
SW	.6	2.7	3.8	.5								7.6	7.0
WSW	1.4	4.2	6.9	1.2								13.7	7.1
W	2.2	5.3	6.1	1.1								14.6	6.5
WNW	1.4	1.1	.5									3.0	4.0
NW	1.7	1.2	.7									3.6	4.0
NNW	1.6	1.6	.4									3.5	4.0
VARBL			.4		.1							.5	11.8
CALM												23.1	
	18.5	32.4	22.9	3.0	.1							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

837

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

10100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

JUL

MONTH

ALL WEATHER

CLASS

0600-0800

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	2.5	1.2	.1								6.7	4.4
NNE	1.3	1.1	.4									2.7	3.7
NE	.8	.6	.1									1.6	3.7
ENE	2.2	3.0	1.1									6.2	4.5
E	2.9	3.2	1.9	.1								8.1	4.9
ESE	.2	.1										.4	3.3
SE	.2	.1										.4	3.3
SSE	.6											.6	2.4
S	.5	1.0	.5									1.9	5.1
SSW	.4	1.1	1.6	.7								3.7	7.7
SW	1.3	2.7	4.5	.6								9.2	6.7
WSW	1.3	4.5	7.3	1.4								14.6	7.3
W	1.7	4.2	5.9	1.3								13.0	6.9
WNW	1.7	1.6	.6	.4								4.2	5.0
NW	2.3	1.1	.5									3.8	3.5
NNW	.8	.7	.1									1.7	3.6
VARBL				.1								.1	12.0
CALM												21.1	
	21.0	27.5	25.6	4.8								100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

837

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1 1100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

JUL

MONTH

ALL WEATHER

CLASS

0900-1100

HOURS (L.S.T.)

CONDITION

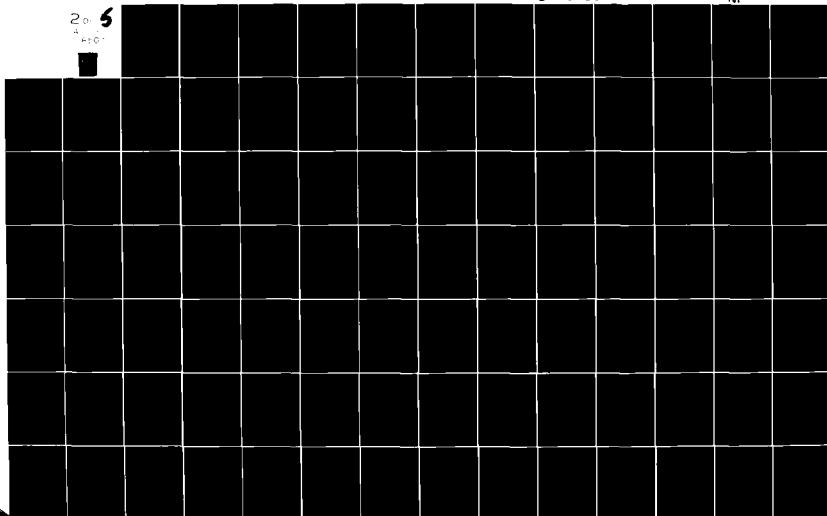
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	1.8	1.1	.1								5.1	4.8
NNE	.8	1.2	1.0	.1								3.1	5.5
NE	.7	.4	.5									1.6	4.5
ENE	.7	2.0	1.2	.1								4.1	5.6
E	2.5	5.9	2.6	.1								11.1	5.2
ESE	.8	.4										1.2	3.3
SE	.5	.2	.1									.8	3.7
SSE	.7	.6										1.3	3.3
S	.5	.3	.5									1.8	4.9
SSW	.6	1.1	.8	.7								3.2	7.3
SW	.7	2.0	4.8	1.8								9.3	8.2
WSW	.5	3.3	7.8	4.8	.2							16.6	9.1
W	1.7	5.0	7.4	3.2								17.3	7.7
WNW	1.4	1.8	1.2	.5								4.9	5.9
NW	1.6	1.4	1.1	.2								4.3	5.4
NNW	1.1	1.4	.8									3.3	4.9
VARBL		.1	2.5	.7								3.3	9.3
CALM												7.5	
	17.0	29.5	33.3	12.4	.2							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

837

AD-A11H 507 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
BITBURG AIR BASE, WEST GERMANY. REVISED UNIFORM SUMMARY OF SURF--ETC(1)
JUN 62
UNCLASSIFIED USAF TAC/DG-H2/039 SBI-AD-E850 19A NI

20
4
REC-1



2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1-100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

JUL

MONTH

ALL WEATHER

CLASS

1200-1400

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.3	1.7	.2								5.1	5.4
NNE	1.0	2.5	.5	.2								4.2	5.0
NE	.4	1.0	.2	.1								1.7	5.2
ENE	.7	1.4	.5									2.6	4.6
E	1.2	1.3	1.3	.1								3.9	5.5
ESE	.5	1.1	.1									1.7	4.6
SE	.1	.6	.2									1.0	6.0
SSE	.4	1.1										1.4	4.3
S	.5	1.0	.4	.4								2.2	5.9
SSW	.6	2.2	1.4	1.3								5.5	7.8
SW	.4	2.2	3.7	2.0	.4							8.6	9.1
WSW	.7	2.2	6.8	6.7	.5							16.9	10.4
W	1.3	3.5	7.7	5.3	.1	.1						17.9	9.0
WNW	.8	1.0	2.0	.7								4.5	7.3
NW	1.0	1.1	.8	.4								3.2	5.9
NNW	1.2	1.2	1.8									4.2	5.4
VARBL		1.4	7.8	2.8								12.0	9.1
CALM												3.3	
	12.3	26.8	36.2	20.2	1.0	.1						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

836

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1 6100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

JUL

MONTH

ALL WEATHER

CLASS

1500-1700

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	1.8	1.8	.2	.1							5.5	5.8
NNE	1.0	2.2	1.3									4.4	5.4
NE	.7	.7	.7	.1								2.3	5.4
ENE	1.1	1.0	.5									2.5	4.7
E	1.8	1.9	.8	.2								4.8	4.8
ESE	.6	.6	.2									1.4	4.5
SE	.4	.4	.2									1.0	4.9
SSE	.4	.6	.1									1.1	4.3
S	.5	1.2	.7	.1								2.5	5.7
SSW	.7	1.0	1.2	.8	.2							3.9	8.2
SW	1.4	1.2	2.7	3.0	.1							8.5	8.7
WSW	.5	1.4	5.6	8.1	.4							16.0	10.6
W	1.6	2.9	7.6	6.2	.7	.1						19.1	9.6
WNW	.6	1.8	2.9	1.3		.2						6.8	8.5
NW	.2	.6	1.7	.7								3.2	8.0
NNW	.7	1.3	2.0	.2								4.3	6.5
VARBL		.7	6.0	2.7	.4							9.8	10.0
CALM												2.9	
	13.6	21.1	36.2	23.9	1.9	.4						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

837

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1 8100
STATION

BITBURG AB DL
STATION NAME

73-81
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	2.3	2.7	.6								8.5	5.8
NNE	.8	2.6	1.4	.1								5.0	5.6
NE	.5	1.3	.8									2.6	5.3
ENE	1.3	2.0	.1									3.5	4.2
E	1.6	2.2	.8	.2								4.8	5.0
ESE	.8	.8	.1									1.8	3.7
SE	1.1	.2										1.3	3.1
SSE	.5	.2										.7	2.7
S	1.1	.6	.6	.1								2.4	4.7
SSW	.4	1.2	.7	.5								2.7	7.0
SW	.7	2.3	2.5	2.3								7.8	8.2
WSW	.8	2.4	4.7	6.2								14.1	9.5
W	.4	3.8	9.9	4.2								18.3	8.7
WNW	.4	2.4	4.1	1.0	.2	.1						8.1	8.4
NW	.6	1.0	2.2	.7								4.4	7.6
NNW	.4	1.6	3.1	.8								5.9	7.5
VARBL			3.0	1.4	.2	.1						4.8	10.9
CALM												3.3	
	14.1	26.9	36.8	18.2	.5	.2						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

176100
STATION

BITBURG AB DL
STATION NAME

73-81
YEARS

JUL
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	3.4	1.4									7.4	4.6
NNE	2.2	2.8	1.1									6.0	4.6
NE	1.3	1.8	.2									3.4	4.1
ENE	1.7	2.5	.6									4.8	4.1
E	3.5	2.0	.2									5.7	3.3
ESE	.6	.5	.1									1.2	3.7
SE	1.0	.2										1.2	2.9
SSE	.4	.1										.5	2.5
S	.8	1.1	.2									2.2	4.3
SSW	.8	1.6	1.1	.5								4.0	6.3
SW	1.3	2.9	3.8	1.1								9.1	7.1
WSW	.4	5.5	5.9	1.6								13.3	7.3
W	2.2	6.3	4.8	1.3	.1							14.7	6.5
WNW	.5	2.2	1.3	.2								4.2	6.1
NW	1.1	1.9	1.6	.4								4.9	6.0
NNW	2.3	1.9	.8	.4								5.4	4.6
VARBL				.2	.1							.4	15.0
CALM												11.7	
	22.5	36.6	23.2	5.6	.2							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

835

8
2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

16100
STATION

BITBURG AB DL
STATION NAME

73-81
YEARS

JUL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	2.2	1.2	.2	.0							5.9	4.8
NNE	1.2	1.9	.7	.1								3.9	4.8
NE	.8	1.0	.3	.0								2.2	4.4
ENE	1.6	2.3	.6	.0								4.5	4.4
E	2.0	3.4	1.1	.1								6.7	4.7
ESE	.5	.5	.1									1.1	3.9
SE	.4	.3	.1									.8	3.9
SSE	.4	.4	.0									.8	3.5
S	.7	.8	.4	.1								2.0	4.8
SSW	.6	1.4	1.2	.6	.0							3.9	7.2
SW	.9	2.4	3.8	1.5	.1							8.7	7.7
WSW	.8	3.6	6.4	3.9	.1							14.8	6.7
W	1.7	4.6	6.8	3.0	.1	.0						16.3	7.8
WNW	1.0	1.7	1.7	.5	.0	.0						4.9	6.7
NW	1.3	1.2	1.1	.3								4.0	5.5
NNW	1.3	1.3	1.2	.2								4.1	5.3
VARBL		.3	2.5	1.0	.1	.0						3.9	9.8
CALM												11.6	
	17.7	29.2	29.4	11.5	.5	.1						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 6690

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1 6100
STATION

BITBURG AB OL

STATION NAME

73-81

YEARS

AUG
MONTH

ALL WEATHER

CLASS

0000-0200

HOURLS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	3.3	.4									6.3	3.9
NNE	2.1	2.7	.3									5.1	3.9
NE	1.3	2.5										3.9	3.8
ENE	3.1	5.7	1.2	.1								10.2	4.5
E	4.4	8.3	1.5									14.2	4.2
ESE	.8	.7										1.5	3.4
SE	.4	.4										.8	3.3
SSE	.9	.4	.4	.1								1.9	4.9
S	.8	1.1	.3									2.1	4.3
SSW	.5	2.0	.8	.1								3.5	5.4
SW	.1	2.4	2.5	.8								5.9	7.5
WSW	1.1	1.6	2.5	1.3								6.6	7.6
W	2.8	2.8	2.5									8.2	4.8
WNW	2.7	.8	.1									3.6	2.9
NW	1.6	1.7	.4									3.7	3.9
NNW	1.3	.8	.7									2.8	4.4
VARBL			.1									.1	8.0
CALM												19.8	
	26.6	37.3	13.8	2.5								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

748

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1000
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

AUG

MONTH

ALL WEATHER

CLASS

0300-0500

NOV (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	15 - 17	18 - 20	21 - 23	24 - 26	27 - 29	30 - 32	33 - 35	36 - 38	39 - 41	42 - 44	45 - 47	48 - 50	51 - 53	54 - 56	≥ 56	%	MEAN WIND SPEED
N	2.6	2.1	.1																	4.9	3.5
NNE	1.6	2.8	.3																	4.7	3.9
NE	1.9	1.8	.3																	3.9	3.5
ENE	3.5	4.4	2.4																	10.3	4.6
E	2.1	4.8	2.0																	8.9	5.0
ESE	.4	.5																		.9	3.3
SE	.3																			.3	1.5
SSE	.3	.1	.1																	.5	3.5
S	1.1	1.0	.5																	2.6	4.2
SSW	.5	1.4	1.8	.1																3.8	6.1
SW	.9	1.9	1.4	.5																4.7	6.3
WSW	1.1	2.6	2.8	1.4																7.9	7.0
W	1.4	2.5	1.4	.6																5.9	5.7
WNW	1.5	1.5	.3																	3.3	3.8
NW	2.1	1.4	.9																	4.4	4.2
NNW	2.4	1.3																		3.7	3.1
VARB			.1																	.1	8.0
CALM																				29.2	
	23.8	30.1	14.2	2.4																100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

794

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1-6100 STATION BITBURG AB DL 73-81 YEARS AUG MONTH
STATION STATION NAME YEAR MONTH
ALL WEATHER CLAS
CONDITION

0600-0800
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.9	1.7	.2	.1								6.0	3.1
NNE	2.0	2.3	.4									4.7	3.7
NE	.8	1.1	.4									2.3	4.4
ENE	3.2	4.4	2.0									9.7	4.6
E	2.2	5.5	2.6	.1								10.4	5.2
ESE	.5	.2	.1									.8	4.0
SE	.7	.1										.8	2.1
SSE	.6	.1	.1									.8	2.9
S	.6	.8	.2	.1								1.8	5.0
SSW	1.2	1.2	1.2	.2								3.8	5.9
SW	1.1	1.7	1.6	.6								4.9	6.6
WSW	1.0	2.2	2.3	1.1								6.5	7.1
W	1.7	3.5	2.4	.8								8.4	6.1
WNW	2.5	1.8	.7									5.0	3.8
NW	2.2	1.3	.1									3.6	3.0
NNW	1.8	1.2	.4									3.3	3.6
VARBL				.1								.1	14.0
CALM												27.0	
	26.0	29.1	14.7	3.2								100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 836

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 6100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

AUG

MONTH

ALL WEATHER

CLASS

0900-1100

MOVES (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	2.4	.8									5.9	4.3
NNE	1.2	1.4	.6									3.2	4.3
NE	.8	.7	.1									1.7	3.3
ENE	2.5	2.5	1.3	.2								6.6	4.7
E	2.8	6.2	6.6	1.0								16.5	6.2
ESE	1.0	.8	.2	.1								2.2	4.0
SE	.8	.2	.1									1.2	3.0
SSE	1.0	.5										1.4	3.3
S	.4	1.1	1.2	.4								3.0	6.8
SSW	.5	1.4	1.6	1.3								4.8	8.3
SW	1.0	3.0	1.4	1.8	.1							7.3	7.7
WSW	2.0	2.0	3.5	2.0	.1							9.7	7.6
W	2.3	2.5	3.0	1.9								9.7	6.8
WNW	1.7	1.3	.7	.2								3.9	4.6
NW	1.0	1.0	.8	.4								3.1	5.8
NNW	2.2	1.7	1.2	.1								5.1	4.7
VARBL			2.2	.7								2.9	9.3
CALM												11.8	
	23.6	28.8	25.4	10.2	.2							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 836

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

176100

BITBURG AB DL

73-81

AUG

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

1200-1400

HOURLY (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.2	1.8									4.0	5.8
NNE	1.1	.9	1.1									3.1	5.6
NE	.7	.6	.5									1.8	4.3
ENE	.9	2.3	1.2	.5								4.9	6.2
E	1.1	3.4	1.0	.6	.1							6.2	6.0
ESE	.7	2.1	.7	.1								3.7	5.4
SE	1.0	.9	.4	.1								2.3	4.4
SSE	1.1	.7										1.8	3.3
S	1.0	1.0	.6	.4								2.9	5.9
SSW	1.8	.9	1.1	2.1								5.9	7.8
SW	1.1	1.2	2.8	2.8	.2							8.2	9.1
WSW	1.1	2.2	3.1	3.5	.2							10.1	8.9
W	1.6	3.3	3.2	3.1	.2							11.4	8.1
WNW	1.5	1.6	1.2	.5								4.8	6.0
NW	.6	.7	1.3	.5								3.2	7.1
NNW	1.5	1.6	1.6	.1								4.8	5.4
VARBL	.1	.5	9.3	4.3								14.2	9.7
CALM												6.7	
	17.8	25.1	30.9	18.6	.9							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

818

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106100
STATION

BITBURG AB DL
STATION NAME

73-81
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.4	2.5									5.8	5.9
NNE	.2	.6	.9	.4								2.1	7.5
NE	.5	1.7	.5									2.7	5.1
ENE	1.0	1.5	1.0	.6								4.1	6.4
E	1.4	2.1	2.6	.7								6.8	6.7
ESE	.7	1.5	.9									3.1	5.2
SE	.4	1.1	.5									2.0	5.2
SSE	.7	1.2	.4									2.4	4.6
S	.6	2.6	1.1	.4								4.7	6.0
SSW	.6	2.2	1.0	1.6	.2							5.7	8.2
SW	.6	.9	2.7	2.4	.1							6.7	9.4
WSW	.9	2.5	2.7	3.3	.5							9.9	9.1
W	1.1	2.7	4.6	4.0	.4							12.8	8.8
WNW	1.5	1.9	1.9	1.2								6.4	7.2
NW	.5	1.1	1.7	.2								3.6	6.7
NNW	.7	.9	1.5	.4								3.5	6.7
VARBL		1.0	9.4	3.0								13.4	9.1
CALM												4.3	
	12.5	27.9	35.8	18.2	1.2							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

807

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 100 STATION BITBURG AB DL 73-81 YEARS AUG MONTH
1800-2000 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	1.8	2.9	.3								7.2	5.7
NNE	.8	1.6	2.9	.5								5.7	7.0
NE	.7	.9	.7									2.2	4.8
ENE	1.6	2.3	.9	.5								5.3	5.3
E	1.0	4.8	4.4									10.3	6.2
ESE	1.3	1.6	.4									3.3	4.0
SE	.7	.5	.4									1.6	4.3
SSE	.8	.9	.1									1.8	3.9
S	.9	1.0	.8	.1								2.9	5.3
SSW	.9	1.6	1.0	1.7								5.2	7.8
SW	1.4	1.0	3.4	.9								6.8	7.1
WSW	1.3	1.7	2.9	3.1								9.0	8.5
W	2.1	5.6	5.6	3.3								16.6	7.2
WNW	1.0	1.8	2.7	.8								6.4	7.0
NW	.7	.9	1.0	.4								3.0	6.7
NNW	.8	2.5	2.2	.4								5.9	6.4
VARBL			2.3	1.0								3.4	10.0
CALM												3.5	
	18.1	30.6	34.7	13.0								100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 767

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 (100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

AUG

MONTH

ALL WEATHER

CLASS

2100-2300

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.6	4.9	.7									9.2	4.0
NNE	1.2	2.3	.4									3.9	4.4
NE	1.6	3.3	.3									5.2	4.3
ENE	2.1	4.1	.9	.1								7.4	4.7
E	5.3	4.9	1.1	.1								11.5	4.0
ESE	1.5	1.3	.1									2.9	3.6
SE	1.2	.8										2.0	2.9
SSE	1.6	.7	.1									2.4	3.3
S	1.1	1.6	.7									3.3	4.4
SSW	1.3	2.3	.8	.3								4.7	5.2
SW	.8	3.3	2.8	.8								7.8	6.6
WSW	.8	3.3	3.5	.9								8.6	7.2
W	2.1	4.3	2.3	.1								8.8	5.2
WNW	1.9	1.9	.4									4.1	4.1
NW	1.3	1.1	.7	.1								3.2	4.7
NNW	3.1	1.5	.5	.1								5.2	3.9
VARBL													
CALM												9.8	
	30.6	41.7	15.2	2.7								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

748

2 GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

100100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

AUG
MONTH

ALL WEATHER

CLASS

ALL

MOON (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	2.5	1.2	.0								6.1	4.5
NNE	1.3	1.8	.8	.1								4.0	4.9
NE	1.0	1.6	.3									2.9	4.2
ENE	2.2	3.4	1.4	.3								7.3	4.9
E	2.5	5.0	2.8	.3	.0							10.6	5.4
ESE	.8	1.1	.3	.0								2.3	4.4
SE	.7	.5	.2	.0								1.4	3.8
SSE	.9	.6	.2	.0								1.6	3.8
S	.8	1.3	.7	.2								2.9	5.4
SSW	.9	1.6	1.2	.9	.0							4.7	7.0
SW	.9	1.9	2.3	1.3	.1							6.5	7.7
WSW	1.2	2.3	2.9	2.1	.1							8.5	8.0
W	1.9	3.4	3.1	1.7	.1							10.2	6.9
WNW	1.8	1.6	1.0	.3								4.7	5.2
NW	1.2	1.1	.9	.2								3.5	5.2
NNW	1.7	1.4	1.0	.1								4.3	4.9
VARBL	.0	.2	3.0	1.2								4.4	9.5
CALM												14.1	
	22.3	31.1	23.2	9.0	.3							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

6354

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

16100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

SEP

MONTH

ALL WEATHER

CLAS

0000-0200

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.5										3.3	3.1
NNE	.7	1.5	.6	.1								3.0	4.8
NE	1.4	1.4	.4									3.1	4.1
ENE	1.5	3.7	.5									5.7	4.3
E	3.7	6.2	1.0									10.9	4.4
ESE	.9	1.2	.1									2.2	3.8
SE	1.0	.6										1.6	3.0
SSE	.5	.4	.2									1.1	4.4
S	1.1	2.0	1.0	.1								4.2	5.1
SSW	.7	1.1	2.1	1.4	.5	.1						5.9	9.3
SW	.6	2.0	2.2	2.2	.5	.1						7.7	9.4
WSW	.7	3.5	5.6	3.6	.1							13.5	8.7
W	2.0	3.1	2.1	1.1	.1							8.4	6.6
WNW	2.0	.6	.2	.1								3.0	3.7
NW	.6	1.0	.1									1.7	4.1
NNW	1.5	1.0										2.5	3.5
VARBL				.1								.1	16.0
CALM												22.2	
	20.7	30.6	16.2	8.8	1.2	.2						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

610

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

SEP

MONTH

ALL WEATHER

CLASS

0300-0500

HOURLS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.2	.1									2.7	3.8
NNE	1.1	.7	.2									2.1	3.8
NE	1.7	.7	.2									2.7	3.2
ENE	2.2	3.3	1.9									7.4	4.7
E	3.3	5.1	1.2									9.6	4.3
ESE	1.2	1.2										2.5	3.4
SE	.7	.2										1.0	3.1
SSE	.2	1.0										1.2	4.2
S	1.5	1.4	.5	.4								3.7	4.8
SSW	.7	1.5	1.9	1.2	.1	.2						5.7	8.9
SW	.7	2.2	3.5	2.2	.2	.1						9.0	8.8
WSW	.7	3.7	4.0	3.7	.2							12.3	8.9
W	2.1	2.7	3.1	1.1								9.0	6.6
WNW	1.7	.7	.1	.1								2.7	3.7
NW	.9	.2	.1									1.2	3.1
NNW	1.1	.4										1.5	2.8
VARBL				.2								.2	15.0
CALC												25.3	
	21.5	26.4	16.8	9.0	.6	.4						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

610

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

176100
STATION

BITBURG AB DL
STATION NAME

73-81
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	1.2	.4									4.6	3.3
NNE	1.5	.9	.4									2.7	3.9
NE	.9	.7	.2									1.9	3.9
ENE	2.3	3.3	.7	.1								6.5	4.5
E	3.2	4.8	2.7									10.7	4.8
ESE	1.2	1.0	.5									2.7	4.4
SE	.5	.6										1.1	4.0
SSE	.5	.7										1.2	3.9
S	1.7	1.2	1.9		.1							4.9	5.4
SSW	.9	1.2	1.4	1.4	.2							5.1	8.2
SW	1.4	2.3	3.8	3.0	.2	.5						11.2	9.1
WSW	1.4	2.3	3.3	3.8	.5							11.4	8.8
W	.7	3.0	2.7	1.0								7.4	6.8
WNW	1.6	.6	.5									2.7	3.8
NW	1.4	.1		.1								1.6	3.3
NNW	.9	.2										1.1	2.7
VARBL				.4								.4	14.3
CALM												22.7	
	23.0	24.4	18.5	9.8	1.1	.5						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

100100
STATION

DITBURG AB DL
STATION NAME

73-81
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.4	.1									2.2	4.5
NNE	.6	.7	.4									1.7	4.3
NE	.6	.7	.5	.1								2.0	5.6
ENE	2.0	1.7	2.5									6.2	5.2
E	3.6	4.7	4.3	.1								12.7	5.4
ESE	.7	.5	.4									1.6	4.8
SE	.9	.6	.1									1.6	3.3
SSE	1.2	1.2	.4									2.8	3.9
S	1.6	1.6	1.1	.7								5.1	6.1
SSW	.1	1.5	1.9	1.9	.4							5.7	10.2
SW	.6	1.7	2.8	4.6	.9	.1						10.8	10.6
WSW	1.1	3.7	4.6	5.0	1.2	.1						15.7	9.6
W	1.7	3.2	2.5	.9	.2							8.5	6.7
WNW	2.0	.5	.6	.5								3.6	4.7
NW	1.2	.4	.2	.2								2.1	4.6
NNW	.1	.1	.2									.5	6.5
VARBL			.5	.6								1.1	10.4
CALM												16.0	
	18.9	24.4	23.1	14.6	2.7	.2						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

808

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 0100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

SEP

MONTH

ALL WEATHER

CLASS

1200-1400

HOWR (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.2	.5	.2								3.0	5.2
NNE	.5	.4	.7	.2								1.9	6.1
NE	.5	.5	.5	.1								1.6	6.3
ENE	1.0	1.9	1.6	.5								4.9	6.1
E	1.2	3.1	2.6									6.9	5.7
ESE	1.0	.7	.6									2.3	4.7
SE	.6	.5	.6	.1								1.9	5.4
SSE	.5	.9	1.4	.2								3.0	6.5
S	1.0	2.2	1.7	.4	.2							5.6	6.4
SSW	.6	1.6	2.5	3.1	.9	.1						8.8	10.6
SW	1.1	2.0	3.6	2.7	1.0	.2						10.6	9.8
WSW	1.4	3.0	3.3	6.3	1.4	.1						15.4	10.3
W	1.5	3.7	4.4	3.3	.5							13.5	8.4
WNW	1.0	1.4	1.4	.2								4.0	5.8
NW	.4	.6	.6	.5								2.1	7.5
NNW	.2	1.0	.4	.1								1.7	6.1
VARB		.2	5.1	1.6	1.0							7.9	10.6
CALM												5.1	
	13.5	24.8	31.5	19.0	4.9	.5						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

SEP

MONTH

ALL WEATHER

CLASS

1500-1700

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.1	.5	.1								2.6	5.1
NNE	1.0	.7	1.2	.1								3.1	5.7
NE		.9	.6	.1								1.6	6.7
ENE	.5	1.7	1.0	.2								3.5	6.1
E	1.5	3.0	2.2									6.7	5.5
ESE	.7	.7	.5									2.0	4.6
SE	.5	.9	.6	.1								2.1	5.7
SSE	.7	1.7	.6									3.1	4.9
S	.6	1.6	2.3	.7	.1							5.4	7.5
SSW	.4	1.9	2.6	1.7	1.0	.1						7.7	10.0
SW	1.5	1.9	4.3	4.2	.7							12.6	9.6
WSW	1.1	2.1	4.4	6.0	1.2	.5						15.4	10.9
W	.7	4.6	3.6	4.7	.6							14.2	9.0
WNW	.2	2.2	1.6	.7								4.8	7.4
NW	1.0	1.1	1.5	.4								4.0	6.3
NNW	.5	1.0	1.5	.2								3.2	6.9
VARBL			3.3	1.7	.6	.1						5.8	11.3
CALM												2.3	
	11.9	27.0	32.5	21.2	4.3	.7						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS

810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

106100
STATION

BITBURG AB DL
STATION NAME

73-81
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.2	.7									4.0	4.7
NNE	.1	1.7	1.0									2.8	6.0
NE	.7	1.1	.6									2.5	4.9
ENE	1.4	1.4	.6									3.3	4.7
E	2.6	4.2	1.5									8.3	4.4
ESE	1.2	1.7	.4									3.3	4.1
SE	1.1	.5	.1									1.7	3.3
SSE	.1	.9	.2	.1								1.4	5.8
S	1.0	1.9	1.7	1.0								5.6	7.0
SSW	1.5	2.5	2.8	1.0	.6	.4						8.8	8.2
SW	1.1	3.3	3.1	3.0	.6	.1						11.2	8.7
WSW	1.6	3.8	6.3	5.6	.4							17.7	8.8
W	1.1	2.3	3.0	2.1	.1	.1						8.8	8.2
WNW	.6	1.0	1.5	.9								4.0	7.4
NW	.6	1.9	1.5	.4								4.3	6.5
NNW	.9	1.6	1.4	.2								4.1	5.9
VARBL			.6	.4			.1					1.1	12.1
CALM												7.3	
	16.7	32.0	27.0	14.6	1.7	.6	.1					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

106100
STATION

BITBURG AB DL
STATION NAME

73-81
YEARS

SEP
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	1.5	.4									4.6	3.6
NNE	1.1	2.3	.1									3.6	3.8
NE	.6	1.5	.7									2.8	4.9
ENE	1.9	1.9	.5									4.2	4.1
E	2.8	6.3	1.6									10.7	4.6
ESE	2.0	1.5	.1									3.6	3.4
SE	1.0	1.1	.1									2.2	3.6
SSE	.9	.6	.1	.1								1.7	4.5
S	1.9	1.7	.6	.4								4.6	5.0
SSW	1.0	1.9	2.3	1.1	.5							6.8	8.2
SW	.5	3.3	4.1	2.6	.6	.1						11.2	9.1
WSW	1.1	2.8	4.6	4.6								13.1	8.8
W	2.6	3.1	3.8	.6								10.1	5.9
WNW	1.9	1.0	.5	.2								3.6	4.3
NW	.7	1.0	.1									1.9	4.5
NNW	.9	1.4	.6									2.8	4.7
VARBL				.1								.1	14.0
CALM												12.3	
	23.5	32.8	20.4	9.8	1.1	.1						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 810

1
2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

106100
STATION

BITBURG AB DL
STATION NAME

73-81
YEARS

SEP
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	1.4	.3	.0								3.4	4.1
NNE	.8	1.1	.6	.1								2.6	4.8
NE	.8	.9	.5	.0								2.3	4.8
ENE	1.6	2.4	1.2	.1								5.2	4.9
E	2.7	4.7	2.1	.0								9.6	4.9
ESE	1.1	1.1	.3									2.5	4.1
SE	.8	.6	.2	.0								1.7	4.0
SSE	.6	.9	.4	.1								1.9	4.9
S	1.3	1.7	1.4	.5	.1							4.9	6.0
SSW	.7	1.6	2.2	1.6	.5	.1						6.8	9.2
SW	.9	2.3	3.4	3.1	.6	.2						10.5	9.4
WSW	1.1	3.1	4.5	4.8	.6	.1						14.3	9.4
W	1.6	3.2	3.1	1.9	.2	.0						10.0	7.4
WNW	1.4	1.0	.8	.4								3.5	5.4
NW	.8	.8	.5	.2								2.4	5.5
NNW	.8	.8	.5	.1								2.2	5.1
VARBL		.0	1.2	.6	.2	.0	.0					2.1	11.2
CALM												14.2	
	18.7	27.8	23.2	13.4	2.2	.9	.0					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

6478

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

16100 BITBURG AB DL 73-81 OCT
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0000-0200
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.1	.8									3.6	4.1
NNE	1.4	.8	.8									3.1	4.5
NE	1.0	1.7	.7									3.3	4.8
ENE	2.0	3.9	1.2	.7								7.9	5.5
E	3.5	6.9	2.9	.4								13.6	5.0
ESE	1.8	1.0	.5	.1								3.3	3.9
SE	.5	.8	.1									1.4	4.0
SSE	.8	1.2										2.0	3.8
S	1.1	1.4	.7	.8	.1							4.2	6.9
SSW	1.1	.6	1.8	1.6	.1							5.1	8.7
SW	.8	1.2	2.4	4.1	.7	.1						9.3	10.3
WSW	1.1	3.2	3.1	2.7	.4							10.5	8.3
W	1.2	3.2	4.8	1.4	.2							10.9	7.7
WNW	.7	1.8	.6	.1	.1							3.3	5.6
NW	1.0	.6	.2									1.8	4.1
NNW	.5	.2	.2									1.0	3.8
VARBL			.2									.2	9.0
CALM												15.3	
	20.1	29.7	21.1	11.9	1.7	.1						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14130
STATION

EITBURG AB DL

STATION NAME

73-81

YEARS

OCT

MONTH

ALL WEATHER

CLASS

0300-0500

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.0	.4									3.9	3.9
NNE	.4	1.3	.4									2.0	4.9
NE	1.1	1.7	.8	.1								3.7	4.8
ENE	1.6	4.4	1.0	.5								7.4	5.1
E	3.7	5.9	2.6	1.0								13.2	5.5
ESE	.5	2.0	.4									2.9	4.7
SE	.5	.7	.4									1.6	4.8
SSE	.2	.5	.2									1.0	4.6
S	1.3	1.2	1.6	.8								4.9	6.4
SSW	1.2	1.3	1.9	1.2	.6	.1						6.3	8.3
SW	1.3	1.6	2.0	2.5	.7	.2						8.4	9.4
WSW	.8	2.0	3.7	3.6	.6	.1						10.9	9.5
W	1.6	3.6	4.8	1.2	.4							11.5	7.4
WNW	.7	.5	.4	.4								1.9	6.4
NW	.7	.7	.4	.1								1.9	5.1
NNW	.6	1.2										1.8	3.9
VARBL						.1						.1	22.0
CALM												16.6	
	17.7	30.6	20.8	11.4	2.3	.6						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

836

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

OCT

MONTH

ALL WEATHER

CLASS

0600-0800

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.1	.5									3.2	3.9
NNE	1.4	.5	.2									2.2	3.5
NE	.7	.8	.2	.1								1.9	4.6
ENE	1.6	3.5	1.9	1.0								7.9	6.0
E	3.8	6.9	2.5	1.0								14.2	5.3
ESE	.7	.7	.1									1.6	3.8
SE	.7	1.7	.2									1.9	3.8
SSE	.7	.5	.5									1.7	4.7
S	1.1	1.2	1.4	.2								3.9	6.0
SSW	.7	1.8	3.1	1.9	.2							7.8	8.6
SW	1.0	2.0	2.7	1.9	.8	.2						8.7	9.3
WSW	.8	2.5	3.1	3.5	.7							10.6	9.6
W	1.7	2.4	3.0	1.9	.4	.1						9.4	8.0
WNW	1.2	1.0	.6	.1								2.9	4.8
NW	1.2	.8	.2		.1							2.4	4.4
NNW	.5	.5	.1									1.1	4.2
VARBL			.5	.1								.6	9.2
CALM												18.0	
	19.5	27.1	21.0	11.7	2.3	.4						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

837

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

OCT

MONTH

ALL WEATHER

CLASS

0900-1100

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.4	.5									2.7	4.7
NNE	.7	.5	.4									1.6	4.5
NE	.5	.6	.2	.6								1.9	6.7
ENE	1.3	2.5	2.0	.8	.1							6.8	6.9
E	3.2	6.2	4.4	1.0								14.8	6.0
ESE	1.2	1.4	.4									3.0	3.8
SE	.2	.5	.2									1.0	4.9
SSE	1.0	.5	.5									1.9	4.2
S	1.7	1.3	2.3	.4								5.6	5.6
SSW	.8	1.3	3.6	2.6	.1							8.5	8.8
SW	.7	2.2	2.7	2.3	.7							8.6	9.5
WSW	1.8	1.9	3.7	3.3	1.1							11.8	9.1
W	1.1	1.7	2.9	2.2	1.1							8.8	9.4
WNW	1.4	1.4	.7	.4		.4						4.3	6.9
NW	.8	.5	.7									2.0	5.1
NNW	.7	1.0	.7	.2								2.6	5.5
VARBL			.5									.5	9.0
CALM												13.5	
	18.0	24.9	26.4	13.7	3.1	.4						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 837

1
2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1 170
STATION

BITSBURG AB DL

STATION NAME

73-81

YEARS

OCT

MONTH

ALL WEATHER

CLASS

1200-1400

HOURLS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.4	.7									3.0	4.8
NNE	1.1	1.2	.8									3.1	4.9
NE	.4	.4	.5	.2								1.4	6.3
ENE	.4	1.9	2.2	.7	.1							5.3	8.1
E	2.4	4.5	4.9	.5								12.3	6.2
ESE	1.4	.8	.7	.1								3.1	4.3
SE	1.0	1.3	.2									2.5	3.9
SSE	.7	.8	.4	.2								2.2	5.3
S	1.2	2.2	2.4	1.2								6.9	6.8
SSW	.7	1.4	2.7	2.5	.1							7.5	8.8
SW	.7	3.0	4.4	2.7	.6	.1						11.6	9.2
WSW	1.6	3.3	2.9	2.5	.4	.4						11.0	8.6
W	.4	3.3	3.7	4.3	1.0	.1						12.8	10.0
WNW	.8	1.3	1.7	1.1	.2	.1						5.3	8.6
NW	.6	.8	.4	.7								2.5	7.0
NNW	.5	.7	.7									1.9	5.9
VARBL			1.0	.7	.2	.1						2.0	12.2
CALM												5.6	
	14.6	28.6	30.2	17.6	2.6	.8						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

837

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

OCT

MONTH

ALL WEATHER

CLASS

1500-1700

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.3	.8	.1								3.5	5.1
NNE	.4	.8	1.3	.2								2.7	6.9
NE	.1	.7	.6	.1								1.6	6.8
ENE	.7	2.6	1.3	.6								5.3	6.7
E	1.6	4.1	4.1	1.9								11.6	7.1
ESE	1.4	.8	.2									2.5	3.7
SE	1.2	1.3	.1									2.6	3.6
SSE	1.1	1.3	.6									3.0	4.4
S	1.0	3.8	2.6	1.0								8.4	6.7
SSW	.4	2.2	3.7	2.0								8.2	8.3
SW	1.3	3.1	2.9	1.8								9.1	7.4
WSW	2.0	2.6	4.4	3.0	1.0	.4						13.4	9.2
W	.8	2.2	4.7	3.0	.7	.1						11.5	9.4
WNW		.7	1.9	2.4	.2							5.3	10.8
NW	.5	1.0	1.0	.5								2.9	7.0
NNW	.4	1.0	.8									2.2	5.7
VARBL			1.1	.8		.1						2.0	11.4
CALM												4.4	
	14.0	29.5	32.1	17.4	1.9	.6						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

16100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

OCT

MONTH

ALL WEATHER

CLIM

1800-2000

HOURLY (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.7	.8									3.5	4.8
NNE	.5	1.8	1.2									3.5	5.7
NE	.8	.6	.4									1.8	4.4
ENE	.5	2.9	1.9	.5								5.7	6.5
E	2.3	8.7	3.2	.8								15.1	5.6
ESE	1.8	1.6	.2									3.6	3.5
SE	.8	1.0	.1									1.9	3.6
SSE	.6	1.4	.2									2.3	4.3
S	1.3	2.4	1.6	.5								5.7	5.7
SSW	1.1	3.1	2.9	1.2	.1							8.4	7.0
SW	1.1	2.9	2.3	1.6								7.8	7.3
WSW	.8	1.9	4.4	2.5	.5							10.2	8.9
W	.5	2.7	4.5	2.7	.2							10.8	8.9
WNW	.4	.6	3.0	.8	.1							4.9	8.5
NW	.1	1.0	.7	.1								1.9	6.8
NNW	1.1	.7	.4									2.2	3.9
VARBL			.2	.1	.1							.5	11.5
CALM												10.5	
	14.6	34.9	28.1	10.9	1.1							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

106100
STATION

BITBURG AB DL
STATION NAME

73-81
YEARS

OCT
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	1.6	1.4									4.8	4.6
NNE	.5	1.2	.6									2.3	5.2
NE	.5	1.4	.2									2.2	4.9
ENE	1.1	3.0	1.7	.5	.1							6.3	6.2
E	3.5	8.5	4.3	.4								16.6	5.3
ESE	1.0	1.2	.4									2.5	4.3
SE	.6	.6	.1									1.3	3.8
SSE	.8	1.1	.1									2.0	4.4
S	1.3	3.6	1.8	.8								7.5	6.1
SSW	1.1	1.4	1.3	1.7								5.5	7.8
SW	.6	1.7	2.3	3.3								7.9	9.3
WSW	.5	2.3	5.0	2.0	.2	.2						10.3	8.5
W	1.0	3.7	4.4	1.7	.2							11.0	7.7
WNW	.2	1.2	1.1	.1								2.6	6.3
NW	.5	1.0	.5	.1	.1							2.2	6.1
NNW	.5	.4	.1									1.0	4.3
VARBL			.2	.2								.5	9.8
CALM												13.6	
	15.3	33.7	25.6	10.9	.7	.2						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 6170
STATION

BITBURG AB DL
STATION NAME

73-81
YEARS

OCT
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.4	.7	.0								3.5	4.5
NNE	.8	1.0	.7	.0								2.6	5.1
NE	.6	1.0	.5	.1								2.2	5.2
ENE	1.1	3.1	1.6	.7	.0							6.6	6.3
E	3.0	6.5	3.6	.9								13.9	5.7
ESE	1.2	1.2	.4	.0								2.8	4.0
SE	.7	.9	.2									1.8	3.9
SSE	.7	.9	.3	.0								2.0	4.4
S	1.2	2.1	1.8	.7	.0							5.9	6.3
SSW	.9	1.6	2.6	1.8	.2	.0						7.2	8.3
SW	.9	2.2	2.7	2.5	.4	.1						8.9	9.0
WSW	1.2	2.5	3.8	2.9	.6	.1						11.1	9.0
W	1.0	2.9	4.1	2.3	.5	.0						10.8	8.6
WNW	.7	1.1	1.2	.7	.1	.1						3.8	7.7
NW	.7	.8	.5	.2	.0							2.2	5.8
NNW	.6	.7	.4	.0								1.7	4.8
VARBL			.5	.3	.0	.0						.8	11.3
CALM												12.2	
	16.7	29.9	25.7	13.2	2.0	.4						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

6695

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 6100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

NOV

MONTH

ALL WEATHER

CLASS

0000-0200

HOURLS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.6	.2	.4								2.0	5.8
NNE	.6	.7	.4									1.7	4.5
NE	.6	1.1	.2	.1								2.1	4.9
ENE	1.2	2.0	1.5	.7	.4							5.8	7.0
E	2.2	3.5	2.3	.1								8.1	5.1
ESE	.4	.2	.1									.7	4.2
SE	.4	.1										.5	3.0
SSE	.4	.2	.2									.9	4.1
S	1.4	2.1	1.0	1.4								5.8	6.7
SSW	.7	1.2	3.3	2.0	.6							7.9	9.4
SW	.7	1.7	5.7	4.7	.9	.7						14.4	10.7
WSW	1.0	3.7	5.1	6.3	1.1	.4	.2					17.8	10.4
W	1.5	2.3	5.2	3.7	.2	.2	.2					13.5	9.3
WNW	.6	2.1	.6	.7	.1	.1						4.3	7.3
NW	.4	.5	.7	.4								2.0	7.2
NNW	.4	.1	.4									.9	5.4
VARBL			.1	.1								.2	12.0
CALM												11.4	
	13.2	22.3	27.2	20.6	3.3	1.5	.5					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106100
STATION

BITBURG AB DL
STATION NAME

73-81
YEARS

NOV
MONTH

ALL WEATHER
CLIM

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	.9	.7	.2								3.3	5.0
NNE	.5	1.4	.4	.1								2.3	5.2
NE	.5	.4	.1									1.0	3.9
ENE	1.0	2.0	2.1	.7	.4							6.2	7.7
E	1.6	2.0	1.2	.1								4.9	5.2
ESE	.9	.5	.1									1.5	3.1
SE	.7	.4	.1									1.2	3.3
SSE		.2	.5	.2								1.0	9.3
S	1.0	1.4	.7	1.7								4.8	8.2
SSW	.2	2.1	3.3	2.0	.2	.1						8.0	9.1
SW	1.4	3.6	5.4	4.1	.7	.6						15.8	9.4
WSW	1.0	2.1	6.3	5.4	1.6							16.4	10.2
W	.7	2.8	5.9	3.0	.5	.5						13.5	9.4
WNW	1.1	.6	.9	.6	.2							3.5	7.8
NW	.7	.9	.7	.2								2.6	5.8
NNW	.7	.2	.1									1.1	3.4
VARBL			.1	.1	.1	.1						.5	16.3
CALM												12.2	
	13.6	21.4	28.9	18.7	3.8	1.4						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

809

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1 6100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

NOV

MONTH

ALL WEATHER

CLASS

0600-0800

HOURLY (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	.7	.5	.2								3.6	4.4
NNE	.5	.4	.7	.1								1.7	6.0
NE	.5	1.0	.6	.1								2.2	5.9
ENE	.6	1.7	1.5	.7	.1							4.7	7.6
E	1.5	2.5	.9	.6								5.4	5.7
ESE	.4	.6	.1									1.1	3.9
SE	.1	.2	.2									.6	6.0
SSE	.4	.5	1.0	.1								2.0	6.8
S	.7	1.1	1.6	.7	.4							4.6	8.2
SSW	.9	2.3	2.7	2.5	.2	.1						8.8	8.6
SW	1.2	3.3	4.7	4.3	.5	.7	.2					15.1	10.0
WSW	2.1	2.5	6.3	5.8	1.2	.2						18.1	10.0
W	1.2	2.2	4.6	3.7	.6							12.3	9.1
WNW	.9	1.9	.7	.2								3.7	5.7
NW	.2	.7	.9									1.9	6.1
NNW	.5	.4	.2	.1								1.2	5.6
VARBL			.1			.1						.2	16.0
CALM												12.7	
	13.8	22.1	27.4	19.4	3.1	1.2	.2					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

106100
STATION

BITBURG AB DL
STATION NAME

73-81
YEARS

NOV
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.2		.5								2.5	5.5
NNE	.5	.5	.7	.1	.1							2.0	6.9
NE	.7	.4	.6	.4								2.1	6.8
ENE	1.4	1.0	1.2	1.6	.1							5.3	7.9
E	.9	3.6	.9	.5								5.8	5.5
ESE	.9											.9	1.9
SE	.2	.1		.1								.5	6.0
SSE	.2	.2	.2	.2								1.0	6.5
S	.7	.7	1.5	1.4	.4							4.7	9.1
SSW	1.7	1.6	2.8	3.1	1.2	.1						10.6	9.6
SW	1.2	3.7	5.9	3.8	1.1	.2						16.0	9.3
WSW	.7	2.7	7.3	6.9	1.0	.7	.1					19.5	10.7
W	.7	3.1	5.3	2.5	.1							11.7	8.3
WNW	.6	.4	1.0	.2								2.2	6.5
NW	.2	1.7	.4	.1	.1							1.9	6.4
NNW	.7	.2	.9	.2								2.1	6.4
VARBL			.1	.2	.1							.5	13.3
CALM												10.7	
	12.3	20.5	28.9	22.0	4.3	1.1	.1					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

106100
STATION

BITBURG AB DL
STATION NAME

73-81
YEARS

NOV
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.7	.7	.4								2.2	7.3
NNE	.4	.9	1.1	.4								2.7	7.0
NE	.4	.5	.6	.2								1.7	6.8
ENE	.5	.7	1.6	1.5								4.3	9.2
E	1.7	2.8	1.9	.7								7.2	6.0
ESE	.5	.4	.1									1.0	4.1
SE	.4	.2										.6	3.4
SSE	.7	.4	.2	.1								1.5	4.6
S	1.0	.6	.9	1.1	.1							3.7	7.8
SSW	.6	2.7	1.9	3.5	1.5	.5						9.9	11.4
SW	1.0	2.1	4.8	6.5	1.4	.2						16.0	10.8
WSW	.6	2.8	5.9	6.7	1.2	.4						17.7	10.5
W	.6	1.6	5.2	5.7	.6	.2						14.0	10.4
WNW	.9	.9	2.1	1.7								5.6	8.6
NW	.5	.6	1.4	.4								2.8	7.0
NNW		.2	.9	.2								1.4	8.1
VARBL			.4	.7	.1							1.2	12.6
CALM												6.5	
	9.9	17.8	29.6	29.9	4.9	1.4						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

106100
STATION

BITBURG AB DL
STATION NAME

73-81
YEARS

NOV
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.7	1.0	.4	.1							2.5	8.1
NNE	.2	.6	1.1	.2								2.2	7.2
NE		.4	1.6	.2								2.2	8.1
ENE	.6	.9	1.2	1.7								4.4	8.5
E	2.3	2.7	2.0	.4								7.4	5.5
ESE	.5	.2										.7	2.8
SE	.4	.1										.5	2.8
SSE	.4	.2	.6	.1								1.4	6.3
S	.9	1.7	1.5	.6	.1							4.8	6.9
SSW	.7	1.7	2.8	4.1	1.0	.1						10.5	10.4
SW	1.4	2.5	5.3	6.8	1.7	.2						17.9	10.7
WSW	1.1	1.9	4.1	6.5	.5							14.1	10.2
W	1.1	2.1	4.8	5.1	.9							14.0	9.8
WNW	.2	.6	3.5	2.0	.2	.1						6.7	10.4
NW		.1	1.2	.5								1.9	9.1
NNW	.2	.1	1.0	.5								1.9	9.0
VARBL			1.0	.2								1.2	9.8
CALM												5.8	
	10.4	16.7	32.7	29.4	4.6	.5						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

10-100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

NOV
MONTH

1800-2000
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.7		.5								1.6	7.2
NNE	.7	2.6	1.4	.4								5.1	6.1
NE	.2	.9	.2	.1								1.5	5.9
ENE	.2	2.0	1.2	.7	.4							4.6	8.2
E	2.2	3.1	.5	.4								6.2	4.5
ESE	1.1	.5										1.6	2.8
SE	.9	.5	.2									1.6	3.9
SSE	.2	.2	.1									.6	4.4
S	.9	1.9	1.7	.6	.1							5.2	6.9
SSW	1.0	2.0	3.7	3.8	1.0	.4	.1					12.0	10.6
SW	1.4	2.2	8.4	5.3	1.2	.1						18.7	10.0
WSW	.5	2.1	5.2	4.0	.9	.1						12.7	9.9
W	.4	1.1	5.7	4.2	.2							11.6	9.9
WNW	.5	1.0	2.3	.7	.1	.1						4.8	8.4
NW	.2	.4	.2	.2	.1	.1						1.4	9.3
NNW	.1	1.0	.2	.4								1.7	6.9
VARBL			.1	.2								.4	11.3
CALM												8.8	
	11.0	22.1	31.4	21.6	4.1	.9	.1					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 809

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1-100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

NOV
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.4	.6	.1								1.6	6.5
NNE	1.0	1.5	.5	.4								3.3	5.6
NE	.9	2.0	.7	.1								3.7	5.4
ENE	.4	1.1	.5	1.0	.1							3.1	8.4
E	1.2	4.1	2.0	.5								7.8	5.6
ESE	.7	.4										1.1	2.6
SE	.1	.2	.2									.6	5.8
SSE	.6	.9	.1									1.6	4.0
S	.5	1.5	2.6	1.1	.2							5.9	8.6
SSW	.6	2.0	2.2	1.9	.6	.1	.1					7.5	9.6
SW	.7	2.1	7.2	5.2	1.9	.4						17.4	10.9
WSW	.9	1.6	6.4	5.4	.5	.2						15.1	10.2
W	.6	2.5	6.4	2.6	.5	.4						13.0	9.4
WNW	.7	.9	1.9	.5	.2							4.2	7.8
NW	.5	.5	.9	.5	.1							2.5	8.5
NNW	.6	.2		.1								1.0	3.9
VARBL			.2	.2								.5	11.3
CALM												10.1	
	10.6	21.7	32.5	19.6	4.2	1.1	.1					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

810

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

106100
STATION

BITBURG AB DL
STATION NAME

73-81
YEARS

NOV
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.5	.8	.5	.3	.0							2.4	6.0
NNE	.6	1.1	.8	.2	.0							2.6	6.1
NE	.5	.8	.6	.2								2.1	6.1
ENE	.7	1.4	1.4	1.1	.2							4.8	8.0
E	1.7	3.0	1.5	.4								6.6	5.4
ESE	.7	.4	.1									1.1	3.1
SE	.4	.2	.1	.0								.8	4.1
SSE	.4	.4	.4	.1								1.2	5.8
S	.9	1.4	1.4	1.1	.2							4.9	7.8
SSW	.8	1.9	2.9	2.8	.8	.2	.0					9.4	9.9
SW	1.1	2.7	5.9	5.1	1.2	.4	.0					16.4	10.2
WSW	1.0	2.4	5.8	5.9	1.0	.3	.0					16.4	10.3
W	.9	2.2	5.4	3.8	.5	.2	.0					12.9	9.4
WNW	.7	1.0	1.6	.8	.1	.0						4.4	8.1
NW	.4	.6	.8	.3	.0	.0						2.1	7.3
NNW	.4	.3	.5	.2								1.4	6.4
VARBL			.3	.2	.0	.0						.6	12.2
CALM												9.8	
	11.9	20.6	29.8	22.6	4.0	1.1	.1					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

6478

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1-100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

DEC
MONTH

ALL WEATHER

CLASS

0000-0200

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.1	.8	.5								3.5	6.1
NNE	.2	.2	.5	.1								1.1	7.4
NE	.7	1.2	.4	.1								2.4	5.3
ENE	.7	2.7	1.7	1.1	.1							5.6	7.4
E	1.7	4.7	4.5	1.4								12.3	6.7
ESE	.7	.2	.5									1.4	4.5
SE	.1	.5	.1	.2								1.0	6.6
SSE	.2	.6	1.0	.1								1.9	6.4
S	.7	1.0	.8	.6	.1							3.2	7.0
SSW	1.0	1.2	2.6	1.9	.8							7.5	9.5
SW	1.1	2.4	4.8	3.5	1.7	.5						13.9	10.5
WSW	.8	2.2	5.9	6.7	1.6	.2						17.3	10.8
W	1.3	2.3	3.5	5.4	.6		.1					13.1	10.2
WNW	1.3		.7	1.1	.2							3.3	8.1
NW	.5	.1	.7	.1								1.4	6.2
NNW	.6	.2		.5	.1							1.4	8.1
VARBL			.2	.4	.1	.1						.8	14.3
CALM												8.7	
	12.8	19.8	28.7	23.7	5.4	.8	.1					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

837

1 GLOBAL CLIMATOLOGY BRANCH
2 USAFETAC
AI- WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1 0100
STATION

BITBURG AB DL
STATION NAME

73-81
YEARS

DEC
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	.6	.0									2.9	4.4
NNE	.7	.2	.4	.5								1.8	6.5
NE	.5	1.0	.1	.4								1.9	5.7
ENE	.8	1.3	2.2	1.4								5.7	7.9
E	1.9	3.3	4.8	1.4	.1							11.6	6.9
ESE	.5	.7	.2	.1								1.6	5.3
SE	.2	.2	.2	.2								1.0	6.9
SSE	.1	.1	.4	.1								.7	7.3
S	1.2	1.2	1.0	.8	.2							4.4	7.4
SSW	.5	1.6	1.6	2.3	.4	.6						6.8	10.5
SW	1.3	3.7	4.4	4.9	1.2	.7						16.2	10.0
WSW	1.2	2.2	5.9	6.2	1.3	.5						17.2	10.7
W	.6	1.2	2.7	4.8	1.3	.1	.1					10.9	11.7
WNW	.6	.4	.4	.7	.1							2.2	7.8
NW	.2	.2	.1	1.1	.1							1.8	10.7
NNW	.4	.6	.2	.2	.1							1.6	7.4
VARBL				.2	.2	.1						.6	16.8
CALM												11.2	
	12.2	18.5	25.3	25.4	5.1	2.0	.1					100.0	8.2

TOTAL NUMBER OF OBSERVATIONS

837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 0100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

DEC

MONTH

ALL WEATHER

CLASS

0600-0800

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.7	.4	.1								1.6	5.4
NNE		.6	.8	.2								1.7	7.2
NE	.4	.7	.5	.5								2.0	7.3
ENE	.7	2.5	2.3	1.3								6.8	7.4
E	1.0	2.6	4.3	1.6								9.4	7.6
ESE	.7	.7										1.4	3.4
SE	.5	.4	.2									1.1	4.6
SSE	.4	.2	.1									.7	4.2
S	1.0	.7	1.1	.8	.2							3.8	7.6
SSW	.7	1.6	2.5	2.6	.7	.4						8.5	10.6
SW	1.0	3.3	4.7	3.6	1.8	.4						14.7	9.9
WSW	1.0	1.3	6.3	6.8	1.3	.8	.2					18.4	11.2
W	1.1	1.3	3.7	4.5	.7	.2						11.6	10.3
WNW	.2	.8	.2	.5								1.8	6.9
NW	.7	.4	1.1	.5								2.6	7.5
NNW	.2	.4	.5	.2								1.3	7.0
VARBL			.4	.6	.1							1.1	12.2
CALM												11.5	
	10.4	18.3	29.0	23.9	4.9	1.8	.2					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATC WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1000
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

DEC

MONTH

ALL WEATHER

CLASS

0900-1100

HOURLS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.5	.2									1.1	4.6
NNE	.7	.4	.8	.1								2.0	5.9
NE	.5	.5	.4	.4								1.7	6.2
ENE	.2	2.0	2.9	1.6								6.7	8.1
E	1.8	2.9	4.1	2.3								11.0	7.2
ESE	.7	.4										1.1	3.3
SE	.6	.2	.1									1.0	3.4
SSE	.1	.7	.6	.1								1.6	6.5
S	.5	1.0	1.0	1.2	.1							3.7	8.4
SSW	1.2	1.7	1.8	2.6	.6	.1						8.0	9.3
SW	.7	2.9	5.3	3.6	1.8	.6						14.8	10.6
WSW	.5	1.9	6.5	8.2	1.7	.7	.1					19.6	11.8
W	.8	1.7	3.7	4.2	.2	.4						11.0	10.1
WNW	.5	.6	.2	.4	.1	.1						1.9	8.4
NW	.6	.4	.4	.6								1.9	6.9
NNW	.4	.8	.2	.1								1.6	5.9
VARBL			.5	.7								1.2	11.4
CALM												10.3	
	10.2	18.4	28.6	26.0	9.5	1.9	.1					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS

837

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 - 100 STATION BITBURG AB DL 73-81 YEARS DEC
STATION NAME ALL WEATHER CLASS 1200-1400
CONDITION HOURLY (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.2	.7									1.6	5.2
NNE	.2	.8	.7	.2								2.0	7.1
NE	.1		.7	.1								1.0	8.4
ENE	.5	1.4	3.1	1.7								6.7	8.5
E	1.3	3.6	4.4	2.7								12.1	7.6
ESE	.8	.5										1.3	3.3
SE	.7	.2	.6									1.6	4.5
SSE	.6	.5	.1	.1								1.3	4.5
S	1.0	.7	.5	1.0	.5							3.6	8.6
SSW	.8	1.2	1.6	1.9	.7	.1	.1					6.5	10.3
SW	.7	2.9	2.6	5.7	1.1	.2	.1					13.4	10.7
WSW	.5	2.0	6.0	9.0	2.6	.7	.1					20.9	12.0
W	1.0	.8	4.1	4.4	1.2	.7	.1					12.3	11.7
WNW	.4	.2	.6	.2	.1							1.6	7.8
NW	.5	.8	1.0	1.1								3.3	8.1
NNW	.2	.5	1.0	.2								1.9	7.1
VARBL			.1	1.2	.2							1.6	14.4
CALM												7.5	
	9.9	16.5	27.7	29.6	6.5	1.8	.5					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

DEC
MONTH

ALL WEATHER

CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.6	.7	.1								1.9	5.8
NNE	.6	.7	.7	.4								2.4	6.8
NE		1.3	.5	.5								2.3	7.0
ENE	1.0	1.3	3.2	.8								6.3	7.2
E	2.6	3.6	4.1	1.8								12.1	6.8
ESE	.1	.6	.2									1.0	5.0
SE	.2	.4	.1									.7	4.5
SSE	.2	.8	.2									1.3	5.0
S	.6	.6	1.6	.6	.2							3.6	8.0
SSW	.7	2.7	2.3	3.0	.6	.1	.1					9.6	9.6
SW	1.0	2.7	2.6	4.9	1.3	.4						12.9	10.8
WSW	1.0	2.2	3.8	7.6	1.8	.2						16.6	11.4
W	.4	1.9	4.2	4.5	1.4	.4						12.8	11.3
WNW		.2	.7	.7		.2						1.9	11.5
NW	.4	1.0	.5	.7								2.5	7.6
NNW	.5	1.2	.1	.2								2.0	5.2
VARBL			1.1	1.2	.4	.2						2.9	13.3
CALM												7.3	
	9.7	21.9	26.6	27.1	5.7	1.6	.1					100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 6100
STATION

BITBURG AB DL
STATION NAME

73-81
YEARS

DEC
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.5	.5	.5								2.3	6.4
NNE	.7	.6	1.2	.4								2.9	7.4
NE	.7	.7	1.0	.4								2.7	6.1
ENE	1.4	3.0	2.5	.8								7.8	6.4
E	2.6	2.7	4.4	.8								10.6	6.2
ESE	1.0	.7	.6	.1								2.4	4.7
SE	.2	.4	.2	.1								1.0	6.1
SSE	1.0	.6	.4									1.9	4.2
S	.7	.7	.7	.6	.1							2.9	7.8
SSW	.5	1.4	2.7	2.2	.7							7.5	10.1
SW	1.1	3.2	4.7	5.5	2.3	.5						17.2	10.8
WSW	.2	2.5	5.5	4.8	1.3	.4						14.7	10.7
W	1.1	1.9	3.0	3.8	1.1	.6						11.5	11.0
WNW	.6	.5	.8	.7	.5							3.1	9.7
NW	.2	.1	.1	.4		.1						1.0	9.8
NNW	.4	.8	.1	.4								1.7	6.4
VARBL			.4	.5	.5							1.3	14.5
CALM												7.6	
	13.3	20.4	28.8	21.9	6.5	1.6						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS

837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1 6170
STATION

BITBURG AB DL
STATION NAME

73-81
YEARS

DEC
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.6	.8	.6								2.2	8.2
NNE	.8	1.1	.5	.4								2.7	6.0
NE	.5	1.2	.4	.5								2.5	6.3
ENE	1.0	2.6	2.3	.8								6.7	6.6
E	2.4	3.9	3.8	1.1								11.2	6.3
ESE	.5	1.2	.4	.1								2.2	5.3
SE	.1	.4										.5	4.3
SSE	.5	.8	.2									1.6	4.2
S	1.1	1.0	1.2	.6								3.8	6.3
SSW	.2	1.6	3.3	2.7	.6	.1						8.6	10.1
SW	.5	2.6	4.1	4.3	2.0	.4						14.0	10.8
WSW	1.1	2.6	6.1	5.5	1.3	.5						17.1	10.3
W	1.6	1.3	2.9	6.1	1.1							12.9	10.6
WNW	.5	.2	.5	.7	.2							2.2	9.6
NW	.4	.6	.5	.4								1.8	6.9
NNW	.5	.1	.2	.1								1.0	5.4
VARBL	.1		.2	.4								.7	9.7
CALM												8.5	
	11.8	21.9	27.4	24.3	5.3	1.0						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

837

1
2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

DEC
MONTH

ALL WEATHER

CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.6	.6	.2								2.1	5.8
NNE	.5	.6	.7	.3								2.1	6.7
NE	.4	.8	.5	.3								2.1	6.4
ENE	.8	2.0	2.5	1.2	.0							6.5	7.4
E	1.9	3.4	4.3	1.6	.0							11.3	6.9
ESE	.6	.6	.2	.0								1.5	4.5
SE	.3	.3	.2	.1								1.0	5.1
SSE	.4	.6	.4	.1								1.4	5.3
S	.8	.9	1.0	.8	.2							3.6	7.6
SSW	.7	1.6	2.3	2.4	.6	.2	.0					7.9	10.0
SW	.9	3.0	4.1	4.5	1.6	.4	.0					14.6	10.5
WSW	.9	2.1	5.7	6.9	1.6	.5	.1					17.7	11.1
W	1.0	1.6	3.5	4.7	1.0	.3	.0					12.0	10.9
WNW	.5	.4	.5	.6	.2	.0						2.2	8.8
NW	.4	.4	.5	.6	.0	.0						2.0	7.9
NNW	.4	.6	.3	.3	.0							1.6	6.6
VARBL	.0		.4	.6	.2	.1						1.3	13.3
CALM												9.1	
	11.3	19.5	27.8	25.2	5.5	1.6	.1					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

6696

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 100 STATION NAME BITBURG AB DL YEARS 73-81 ALL NORTH
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.6	1.1	.2	.0							4.3	5.3
NNE	.9	1.4	1.0	.2	.0							3.6	5.7
NE	.7	1.2	.9	.4	.0							3.3	6.3
ENE	1.4	2.8	2.2	.9	.0							7.4	6.5
E	2.2	4.3	2.9	1.0	.1	.0						10.4	6.1
ESE	.8	.8	.3	.0								1.8	4.3
SE	.5	.5	.2	.0	.0							1.2	4.3
SSE	.6	.7	.3	.1	.0	.0						1.6	5.0
S	.9	1.4	1.3	.7	.1	.0						4.3	7.0
SSW	.7	1.6	2.1	1.8	.4	.1	.0					6.6	9.1
SW	.8	2.2	3.4	2.8	.6	.2	.0					10.0	9.5
WSW	.9	2.4	4.2	3.6	.6	.1	.0	.0				11.9	9.6
W	1.2	2.8	3.9	2.5	.4	.1	.0	.0				10.9	8.5
WNW	.9	1.1	1.1	.5	.1	.0						3.6	6.9
NW	.7	.9	.8	.3	.0	.0	.0					2.7	6.4
NNW	.8	.9	.8	.2	.0							2.7	5.9
VARBL	.0	.1	1.5	.8	.1	.0	.0					2.6	10.5
CALM												11.1	
	15.4	26.4	28.0	16.1	2.4	.6	.0	.0				100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 78527

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

ALL

MONTH

INSTRUMENT

CLASS

CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,

CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

ALL

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.8	1.1	.8	.2								2.8	5.5
NNE	.5	.8	.8	.2	.0							2.3	6.3
NE	.4	.7	.8	.3	.0							2.2	6.7
ENE	.9	1.9	2.0	.7	.0							5.6	6.9
E	1.8	3.3	2.3	.6	.1							7.9	6.0
ESE	.7	.5	.1	.0								1.3	3.7
SE	.4	.4	.1	.0								.9	4.0
SSE	.4	.6	.3	.1	.0							1.4	5.4
S	1.0	1.2	1.4	.8	.2	.0						4.5	7.3
SSW	.8	1.7	3.1	3.3	.8	.1	.0					9.8	10.1
SW	1.0	2.8	5.3	5.5	1.4	.5	.0					16.4	10.4
WSW	.9	2.9	6.0	5.8	1.3	.3	.0					17.3	10.4
W	1.1	2.8	4.4	2.9	.4	.1	.0					11.6	8.8
WNW	.7	.6	.7	.4	.0	.0						2.5	6.7
NW	.4	.5	.6	.3	.0							1.9	7.0
NNW	.4	.4	.4	.2	.0							1.4	6.3
VARBL	.0		.2	.3	.0	.0	.0					.6	12.4
CALM												9.5	
	12.3	22.0	29.3	21.4	4.4	1.1	.1					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

18205

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq 5/16$	≥ 0
NO CEILING															
1800															
1500					91.0										92.6
1200															
1000															
900															
800															
700															
600															
500										97.4					98.1
400															
300															
200															
100															
0					95.4		96.9			98.3					100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

GLOBAL CLIMATOLOGY BRANCH
ETAC
ATMOSPHERIC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION BITBURG AB DL

73-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	11.5	13.7	13.3	13.7	15.6	16.0	17.0	17.8	18.5	18.7	18.7	18.7	18.7	18.7	18.7	18.7
≥ 20000	11.6	14.1	14.4	14.8	17.0	17.6	18.7	19.5	20.2	20.4	20.4	20.4	20.4	20.4	20.4	20.4
≥ 18000	11.6	14.1	14.4	14.8	17.0	17.6	18.7	19.5	20.2	20.4	20.4	20.4	20.4	20.4	20.4	20.4
≥ 16000	11.6	14.1	14.4	14.8	17.0	17.6	18.7	19.5	20.2	20.4	20.4	20.4	20.4	20.4	20.4	20.4
≥ 14000	11.6	14.1	14.4	14.8	17.0	17.6	18.7	19.5	20.2	20.4	20.4	20.4	20.4	20.4	20.4	20.4
≥ 12000	11.6	14.1	14.4	14.8	17.2	17.8	18.9	19.8	20.5	20.6	20.6	20.6	20.6	20.6	20.6	20.6
≥ 10000	12.4	14.8	15.2	15.6	18.4	19.0	20.1	21.0	21.7	21.8	21.8	21.8	21.8	21.8	21.8	21.8
≥ 9000	12.8	15.3	15.6	16.1	18.9	19.5	20.6	21.5	22.2	22.3	22.3	22.3	22.3	22.3	22.3	22.3
≥ 8000	13.2	15.8	16.2	16.7	20.4	21.0	22.1	23.2	23.9	24.0	24.0	24.0	24.0	24.0	24.0	24.0
≥ 7000	13.7	16.2	16.7	17.3	21.0	21.6	22.7	23.8	24.5	24.6	24.6	24.6	24.6	24.6	24.6	24.6
≥ 6000	13.7	16.2	16.7	17.3	21.0	21.6	22.7	23.8	24.5	24.6	24.6	24.6	24.6	24.6	24.6	24.6
≥ 5000	14.2	17.0	17.5	18.1	21.7	22.3	23.4	24.6	25.3	25.5	25.5	25.5	25.5	25.5	25.5	25.5
≥ 4500	17.3	21.0	21.5	22.1	25.7	26.3	27.6	28.8	29.7	29.8	29.8	29.8	29.8	29.8	29.8	29.8
≥ 4000	19.5	22.5	23.4	24.2	27.9	28.5	29.9	31.2	32.0	32.1	32.1	32.1	32.1	32.1	32.1	32.1
≥ 3500	21.4	24.8	25.7	26.7	30.3	30.9	32.4	33.6	34.4	34.5	34.5	34.5	34.5	34.5	34.5	34.5
≥ 3000	23.0	27.9	28.8	29.8	33.8	34.5	36.0	37.2	38.1	38.2	38.2	38.3	38.4	38.4	38.4	38.4
≥ 2500	24.7	29.9	30.9	32.1	36.8	37.6	39.0	40.2	41.2	41.3	41.3	41.5	41.6	41.7	41.7	41.7
≥ 2000	29.6	35.6	36.6	37.8	43.9	45.1	46.9	48.5	49.5	49.6	49.6	49.7	49.8	49.9	49.9	49.9
≥ 1800	31.0	37.3	38.4	39.6	45.7	46.9	48.8	50.4	51.4	51.5	51.5	51.6	51.8	51.9	51.9	51.9
≥ 1500	34.9	42.3	43.6	44.8	51.0	52.6	54.8	56.6	57.6	57.7	57.8	57.9	58.1	58.2	58.2	58.2
≥ 1200	39.9	47.9	49.3	50.9	57.8	59.4	61.6	63.4	64.5	64.6	64.7	64.8	65.0	65.1	65.1	65.1
≥ 1000	41.7	50.2	52.0	53.6	61.3	62.9	65.5	67.4	68.7	68.8	69.0	69.1	69.2	69.3	69.3	69.3
≥ 900	42.1	50.7	53.1	54.7	62.4	64.0	66.5	68.5	69.8	69.9	70.1	70.2	70.3	70.4	70.4	70.4
≥ 800	43.6	52.8	56.1	58.7	67.8	69.6	72.5	74.4	75.8	75.9	76.0	76.1	76.2	76.4	76.4	76.4
≥ 700	44.4	53.8	57.6	60.6	70.9	72.7	75.6	77.6	79.0	79.3	79.4	79.5	79.6	79.8	79.8	79.8
≥ 600	44.6	54.3	58.2	61.3	72.1	73.9	77.3	79.3	81.0	81.2	81.3	81.5	81.6	81.7	81.7	81.7
≥ 500	45.0	54.9	58.9	62.3	73.8	75.8	79.5	82.7	84.6	85.5	85.6	85.7	85.8	86.1	86.1	86.1
≥ 400	45.0	54.9	58.9	62.4	75.2	77.3	81.2	84.5	86.7	87.5	87.6	87.8	88.0	88.2	88.2	88.6
≥ 300	45.0	55.0	59.0	62.5	75.8	78.2	82.2	85.6	88.0	89.2	89.3	89.6	89.9	90.5	90.5	90.9
≥ 200	45.0	55.0	59.0	62.5	75.8	78.3	82.7	86.8	89.6	90.9	91.0	91.5	92.0	93.9	94.4	95.0
≥ 100	45.0	55.0	59.0	62.5	75.8	78.3	82.7	86.8	89.6	90.9	91.0	91.6	92.4	94.9	97.0	99.4
≥ 0	45.0	55.0	59.0	62.5	75.8	78.3	82.7	86.8	89.6	91.0	91.2	91.8	92.5	95.0	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS 625

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

NO 100
STATION

PITBURG AB DL
STATION NAME

73-81
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/4	≥ 0
NO CEILING	10.1	12.3	12.6	12.7	15.0	15.3	16.1	16.7	17.4	17.5	17.5	17.7	17.7	17.9	18.3	18.5
≥ 20000	11.1	13.2	13.6	13.8	16.9	17.3	18.4	19.1	19.8	20.0	20.0	20.1	20.1	20.3	20.7	20.9
≥ 18000	11.1	13.2	13.6	13.8	16.9	17.3	18.4	19.1	19.8	20.0	20.0	20.1	20.1	20.3	20.7	20.9
≥ 16000	11.1	13.2	13.6	13.8	16.9	17.3	18.4	19.1	19.8	20.0	20.0	20.1	20.1	20.3	20.7	20.9
≥ 14000	11.1	13.2	13.6	13.8	16.9	17.3	18.4	19.1	19.8	20.0	20.0	20.1	20.1	20.3	20.7	20.9
≥ 12000	11.2	13.3	13.7	13.9	17.3	17.7	18.8	19.5	20.2	20.3	20.3	20.4	20.4	20.7	21.0	21.3
≥ 10000	11.3	13.5	13.8	14.1	17.5	18.0	19.1	19.8	20.6	20.7	20.7	20.8	20.8	21.0	21.4	21.6
≥ 9000	11.8	13.9	14.3	14.5	18.0	18.5	19.6	20.3	21.0	21.2	21.2	21.3	21.3	21.5	21.9	22.1
≥ 8000	12.1	14.4	14.9	15.1	18.6	19.1	20.3	21.0	21.8	21.9	21.9	22.0	22.0	22.2	22.6	22.8
≥ 7000	12.5	14.8	15.3	15.5	19.0	19.5	20.7	21.4	22.1	22.2	22.2	22.4	22.4	22.6	23.0	23.2
≥ 6000	12.5	14.8	15.3	15.5	19.0	19.5	20.7	21.4	22.1	22.2	22.2	22.4	22.4	22.6	23.0	23.2
≥ 5000	13.2	15.5	16.0	16.2	19.7	20.2	21.4	22.1	22.8	23.0	23.0	23.1	23.1	23.3	23.7	23.9
≥ 4500	16.3	19.0	19.5	19.7	23.2	23.8	25.0	25.7	26.6	26.7	26.7	26.8	26.8	27.0	27.4	27.6
≥ 4000	17.8	21.0	21.5	21.8	25.7	26.3	27.5	28.4	29.2	29.3	29.3	29.4	29.4	29.7	30.0	30.3
≥ 3500	18.8	22.5	23.0	23.2	27.5	28.1	29.3	30.2	31.0	31.1	31.1	31.3	31.3	31.5	31.9	32.1
≥ 3000	20.4	24.5	25.0	25.5	30.4	31.3	32.5	33.4	34.3	34.4	34.4	34.5	34.5	34.7	35.1	35.3
≥ 2500	22.0	26.3	26.9	27.6	32.8	33.7	34.9	35.8	36.7	36.8	36.8	36.9	36.9	37.1	37.5	37.7
≥ 2000	25.6	31.3	32.1	33.1	38.6	39.5	41.0	42.1	43.0	43.1	43.1	43.3	43.3	43.5	43.9	44.1
≥ 1800	26.7	32.3	33.2	34.3	39.9	40.9	42.3	43.4	44.5	44.6	44.6	44.7	44.7	45.0	45.3	45.6
≥ 1500	30.3	36.5	37.5	38.7	45.1	46.0	47.8	48.9	50.0	50.1	50.1	50.2	50.2	50.5	50.8	51.1
≥ 1200	35.1	41.7	43.1	44.6	51.2	52.2	54.1	55.4	56.5	56.6	56.6	56.7	56.7	57.0	57.3	57.6
≥ 1000	37.7	45.9	47.8	49.9	57.6	58.5	60.7	62.3	63.6	63.7	63.7	63.8	63.8	64.1	64.4	64.7
≥ 900	38.1	46.4	48.6	50.6	58.4	59.4	61.5	63.1	64.4	64.5	64.5	64.7	64.7	64.9	65.3	65.5
≥ 800	39.5	48.2	50.5	53.0	62.3	63.7	66.7	68.4	69.8	70.1	70.1	70.2	70.2	70.4	70.8	71.0
≥ 700	40.5	49.6	52.4	55.4	65.6	67.2	70.4	72.5	74.2	74.5	74.5	74.6	74.6	74.9	75.2	75.5
≥ 600	41.5	51.0	53.7	56.7	67.7	69.4	72.6	74.8	76.6	76.9	76.9	77.0	77.0	77.3	77.6	77.9
≥ 500	41.6	51.4	54.2	57.6	69.7	71.6	75.6	78.2	80.9	81.4	81.5	81.6	81.6	81.9	82.2	82.5
≥ 400	41.7	51.6	54.3	57.8	70.8	72.7	77.6	80.9	83.7	84.5	84.6	84.9	84.9	85.1	85.5	86.1
≥ 300	41.7	51.8	54.8	58.8	72.1	74.3	79.6	83.7	87.3	88.2	88.7	88.9	89.1	89.7	90.0	90.6
≥ 200	41.7	51.8	54.8	58.8	72.2	74.5	80.3	84.6	89.1	90.4	90.9	91.1	91.5	93.1	93.8	94.6
≥ 100	41.7	51.8	54.8	58.8	72.2	74.5	80.3	84.6	89.2	90.6	91.3	91.7	92.7	95.2	97.0	99.3
≥ 0	41.7	51.8	54.8	58.8	72.2	74.5	80.3	84.6	89.2	90.6	91.3	91.7	92.7	95.2	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS 832

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

110 BITBURG AB DL

73-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	0.1	10.7	11.5	11.7	13.6	13.7	14.3	15.1	16.0	16.0	16.0	16.1	16.1	16.2	16.6	16.6
≥29000	10.5	12.0	12.9	13.1	15.5	15.7	16.5	17.3	18.1	18.1	18.1	18.3	18.3	18.4	18.8	18.8
≥18000	10.5	12.0	12.9	13.1	15.5	15.7	16.5	17.3	18.1	18.1	18.1	18.3	18.3	18.4	18.8	18.8
≥16000	10.5	12.0	12.9	13.1	15.5	15.7	16.5	17.3	18.1	18.1	18.1	18.3	18.3	18.4	18.8	18.8
≥14000	10.5	12.0	12.9	13.1	15.5	15.7	16.5	17.3	18.1	18.1	18.1	18.3	18.3	18.4	18.8	18.8
≥12000	11.7	12.3	13.1	13.3	16.0	16.2	16.9	17.8	18.6	18.6	18.6	18.8	18.8	18.9	19.2	19.2
≥10000	11.2	12.9	13.7	13.9	16.7	16.9	17.7	18.5	19.4	19.4	19.4	19.5	19.5	19.6	20.0	20.0
≥9000	11.2	12.9	13.7	14.1	17.2	17.4	18.1	19.0	19.8	19.8	19.8	20.0	20.0	20.1	20.4	20.4
≥8000	11.7	13.3	14.2	14.5	17.9	18.1	19.0	19.8	20.7	20.7	20.7	20.8	20.8	20.9	21.3	21.3
≥7000	12.5	13.7	14.5	14.9	18.3	18.5	19.4	20.2	21.0	21.0	21.0	21.2	21.2	21.3	21.6	21.6
≥6000	12.5	14.2	15.7	15.4	18.8	19.0	19.8	20.7	21.5	21.5	21.5	21.6	21.6	21.8	22.1	22.1
≥5000	12.9	14.7	15.9	16.2	19.7	20.0	20.8	21.9	22.7	22.7	22.7	22.8	22.8	23.0	23.3	23.3
≥4500	14.1	16.2	17.4	17.8	21.3	21.5	22.4	23.4	24.3	24.3	24.3	24.4	24.4	24.5	24.9	24.9
≥4000	15.4	17.8	19.2	19.8	23.6	23.8	24.6	25.7	26.6	26.6	26.6	26.7	26.7	26.8	27.2	27.2
≥3500	16.6	19.4	20.9	21.5	25.2	25.5	26.3	27.4	28.2	28.2	28.2	28.4	28.4	28.5	28.8	28.8
≥3000	19.6	22.4	24.0	24.8	29.1	29.3	30.2	31.3	32.1	32.1	32.1	32.2	32.2	32.3	32.7	32.7
≥2500	22.4	25.4	27.2	28.0	32.5	32.7	33.5	34.6	35.5	35.5	35.5	35.6	35.6	35.7	36.1	36.1
≥2000	26.4	30.0	32.1	32.9	37.5	37.7	38.7	39.8	40.6	40.6	40.6	40.7	40.7	40.9	41.2	41.2
≥1800	27.2	30.8	32.9	33.8	38.3	38.7	39.7	40.7	41.6	41.6	41.6	41.7	41.7	41.8	42.2	42.2
≥1500	31.6	36.1	38.3	39.7	44.5	44.8	46.2	47.5	48.6	48.6	48.6	48.7	48.7	48.8	49.2	49.2
≥1200	36.1	41.5	44.2	45.8	51.3	51.7	53.6	55.0	56.1	56.1	56.1	56.3	56.3	56.4	56.7	56.7
≥1000	38.2	44.6	47.7	50.0	56.3	56.6	59.1	60.6	61.7	61.8	61.8	61.9	61.9	62.0	62.4	62.4
≥900	38.3	45.0	48.2	50.7	57.1	57.6	60.1	61.7	62.9	63.0	63.0	63.1	63.1	63.2	63.6	63.6
≥800	39.7	46.8	50.4	53.5	60.3	60.8	63.3	65.0	66.5	66.9	66.9	67.1	67.1	67.2	67.5	67.5
≥700	41.3	49.2	52.9	56.5	64.3	64.9	67.8	70.0	71.8	72.4	72.4	72.5	72.5	72.6	73.0	73.0
≥600	41.8	50.1	53.8	57.6	66.7	67.4	70.3	72.6	74.4	75.0	75.1	75.2	75.2	75.4	75.7	75.7
≥500	41.8	51.6	55.4	59.6	70.3	71.3	74.8	77.4	79.8	80.6	80.8	80.9	80.9	81.0	81.5	81.5
≥400	41.9	52.2	56.0	60.3	71.6	72.8	76.4	79.6	82.6	83.9	84.0	84.1	84.1	84.3	85.0	85.1
≥300	42.1	52.3	56.1	60.8	73.2	74.9	79.2	83.1	86.8	88.2	88.3	88.9	89.3	89.8	90.5	91.0
≥200	42.1	52.3	56.1	60.8	73.7	75.5	80.0	84.0	88.8	90.6	90.7	91.5	92.1	93.0	94.1	95.1
≥100	42.1	52.3	56.1	60.8	73.7	75.5	80.0	84.0	88.8	90.9	91.0	91.7	92.4	94.0	96.4	99.3
≥0	42.1	52.3	56.1	60.8	73.7	75.5	80.0	84.0	88.8	90.9	91.0	91.7	92.4	94.1	96.5	100.0

TOTAL NUMBER OF OBSERVATIONS 832

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 100 BITBURG AB DL

73-81

JAN

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥1/16	≥0
NO CEILING	5.7	7.8	9.2	9.3	10.4	10.4	11.2	11.4	11.5	11.9	12.1	12.1	12.1	12.2	12.3	12.4
≥20000	7.3	9.8	11.2	11.4	12.4	12.5	13.4	13.9	14.0	14.5	14.6	14.6	14.6	14.8	15.1	15.2
IV ≥18000	7.3	9.9	11.4	11.5	12.5	12.7	13.5	14.0	14.1	14.6	14.7	14.7	14.7	14.9	15.2	15.3
IV ≥16000	7.3	9.9	11.4	11.5	12.5	12.7	13.5	14.0	14.1	14.6	14.7	14.7	14.7	14.9	15.2	15.3
IV ≥14000	7.3	9.9	11.4	11.5	12.5	12.7	13.5	14.0	14.1	14.6	14.7	14.7	14.7	14.9	15.2	15.3
IV ≥12000	7.3	9.9	11.4	11.5	12.8	12.9	13.7	14.2	14.3	14.8	14.9	14.9	14.9	15.2	15.4	15.5
IV ≥10000	7.6	10.3	11.8	11.9	13.4	13.6	14.6	15.2	15.3	15.8	15.9	15.9	15.9	16.1	16.4	16.5
IV ≥9000	7.8	10.5	12.1	12.4	14.0	14.2	15.3	16.0	16.2	16.7	16.8	16.8	16.8	17.1	17.3	17.6
IV ≥8000	8.6	11.6	13.5	13.9	15.8	16.1	17.2	17.9	18.2	18.6	18.9	18.9	18.9	19.1	19.4	19.6
IV ≥7000	8.6	11.7	13.6	14.0	15.9	16.2	17.3	18.0	18.3	18.8	19.0	19.0	19.0	19.2	19.5	19.7
IV ≥6000	9.7	12.5	14.5	14.8	16.7	17.1	18.2	18.9	19.1	19.6	19.8	19.8	19.8	20.1	20.3	20.5
IV ≥5000	9.7	13.0	14.9	15.3	17.4	17.8	19.2	20.0	20.2	20.7	20.9	20.9	20.9	21.1	21.5	21.7
IV ≥4500	10.8	14.3	16.2	16.7	19.0	19.4	20.8	21.5	21.7	22.2	22.5	22.5	22.5	22.7	23.1	23.3
IV ≥4000	11.7	15.5	17.6	18.0	20.3	20.8	22.3	23.2	23.4	23.9	24.1	24.1	24.1	24.4	24.7	25.0
IV ≥3500	12.8	16.6	19.1	19.7	22.3	22.9	24.5	25.3	25.7	26.2	26.4	26.4	26.4	26.6	27.0	27.2
IV ≥3000	14.2	18.6	21.3	22.0	24.6	25.2	26.9	27.7	28.2	28.7	28.9	28.9	29.0	29.3	29.6	29.9
IV ≥2500	17.6	22.7	25.6	26.5	29.3	30.0	31.9	32.7	33.2	33.7	33.9	33.9	34.1	34.3	34.6	34.9
IV ≥2000	21.6	27.6	30.5	31.7	34.8	35.6	37.5	38.5	38.9	39.4	39.7	39.7	39.8	40.0	40.4	40.6
IV ≥1800	22.9	29.3	32.1	33.3	36.4	37.3	39.3	40.3	40.7	41.2	41.5	41.5	41.6	41.8	42.2	42.4
IV ≥1500	27.2	34.5	37.9	39.1	43.1	44.1	46.2	47.4	48.1	48.9	49.1	49.2	49.3	49.6	49.9	50.2
IV ≥1200	29.9	37.8	41.6	43.2	47.7	48.6	51.0	52.6	53.3	54.0	54.2	54.4	54.5	54.7	55.1	55.3
IV ≥1000	32.3	40.6	44.6	46.6	51.9	52.9	55.4	57.2	57.9	58.8	59.0	59.1	59.3	59.5	59.9	60.1
IV ≥900	32.5	41.2	45.2	47.2	52.6	53.8	56.4	58.3	59.0	59.9	60.1	60.2	60.3	60.6	60.9	61.2
IV ≥800	34.3	44.1	48.6	50.8	56.9	58.3	61.4	63.3	64.3	65.2	65.5	65.6	65.7	65.9	66.3	66.5
IV ≥700	35.4	46.2	51.3	54.0	60.8	62.4	66.1	68.0	69.2	70.3	70.5	70.6	70.7	71.0	71.3	71.6
IV ≥600	36.1	47.3	52.3	55.4	62.5	64.0	67.9	69.9	71.2	72.5	72.8	72.9	73.0	73.4	73.7	74.0
IV ≥500	36.3	48.0	53.0	56.8	64.4	65.9	70.5	73.0	74.6	76.5	76.9	77.1	77.2	77.7	78.0	78.5
IV ≥400	36.3	48.1	53.5	57.5	66.3	68.5	73.8	76.7	78.6	80.9	81.4	81.7	82.0	82.7	83.0	83.8
IV ≥300	36.4	48.3	53.6	57.7	66.7	68.9	74.7	78.0	80.2	83.8	84.6	85.1	85.4	87.1	87.8	89.0
IV ≥200	36.6	48.4	53.8	57.8	66.9	69.2	75.3	78.6	81.1	85.2	86.1	87.0	87.7	90.0	91.8	93.8
IV ≥100	36.6	48.4	53.8	57.8	66.9	69.2	75.3	78.7	81.2	85.4	86.6	87.9	88.8	92.2	95.0	99.9
IV ≥0	36.6	48.4	53.8	57.8	66.9	69.2	75.3	78.7	81.2	85.4	86.6	87.9	88.8	92.2	95.0	100.0

TOTAL NUMBER OF OBSERVATIONS 837

USAF ETAC FORM 0-14-5 (CL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
AFETAC
A. WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

100 BITBUPG AB DL

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY: STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	3.7	10.2	11.1	12.1	14.3	14.3	14.5	15.0	15.3	15.8	15.8	15.9	15.9	15.9	15.9	16.2
≥ 20000	10.7	13.4	14.4	15.3	17.6	17.7	18.0	18.6	18.9	19.4	19.4	19.5	19.5	19.5	19.5	19.8
≥ 18000	10.9	13.7	14.7	15.9	18.2	18.3	18.6	19.2	19.5	20.0	20.0	20.1	20.1	20.1	20.1	20.4
≥ 16000	10.9	13.7	14.7	15.9	18.2	18.3	18.6	19.2	19.5	20.0	20.0	20.1	20.1	20.1	20.1	20.4
≥ 14000	10.9	13.7	14.7	15.9	18.2	18.3	18.6	19.2	19.5	20.0	20.0	20.1	20.1	20.1	20.1	20.4
≥ 12000	10.9	13.7	14.9	16.0	18.3	18.4	18.7	19.3	19.6	20.1	20.1	20.2	20.2	20.2	20.2	20.5
≥ 10000	11.4	14.3	15.4	16.6	18.9	19.0	19.6	20.2	20.6	21.1	21.1	21.2	21.2	21.2	21.2	21.4
≥ 9000	11.4	14.3	15.4	16.6	19.2	19.3	20.0	20.6	21.0	21.4	21.4	21.6	21.6	21.6	21.6	21.9
≥ 8000	11.7	15.1	16.3	17.6	20.4	20.5	21.2	21.8	22.2	22.8	22.8	22.9	22.9	22.9	22.9	23.2
≥ 7000	11.9	15.2	16.4	18.1	21.0	21.1	21.9	22.5	23.1	23.7	23.7	23.8	23.8	23.8	23.8	24.2
≥ 6000	12.0	15.6	16.8	18.6	21.4	21.6	22.4	23.0	23.6	24.2	24.2	24.3	24.3	24.3	24.3	24.7
≥ 5000	12.5	16.0	17.2	19.0	22.2	22.3	23.1	23.7	24.3	24.9	24.9	25.0	25.0	25.0	25.0	25.5
≥ 4500	13.2	16.8	18.0	20.0	23.1	23.2	24.2	24.8	25.4	26.0	26.0	26.1	26.1	26.1	26.1	26.6
≥ 4000	14.5	18.2	19.4	21.4	24.7	24.8	25.7	26.3	26.9	27.5	27.5	27.7	27.7	27.7	27.7	28.1
≥ 3500	15.4	19.2	20.5	22.5	26.5	26.6	27.5	28.1	28.7	29.3	29.3	29.5	29.5	29.5	29.5	29.9
≥ 3000	17.4	21.2	22.9	24.9	29.1	29.2	30.3	30.9	31.5	32.1	32.1	32.2	32.2	32.2	32.2	32.7
≥ 2500	19.8	23.8	26.0	28.1	32.5	32.6	33.8	34.4	35.0	35.6	35.6	35.7	35.7	35.7	35.7	36.2
≥ 2000	23.5	28.5	30.9	33.2	37.6	37.8	39.3	40.0	40.8	41.4	41.4	41.6	41.6	41.6	41.6	42.0
≥ 1800	24.8	30.2	32.6	34.9	39.4	39.6	41.1	41.8	42.6	43.2	43.2	43.4	43.4	43.4	43.4	43.8
≥ 1500	29.5	36.4	39.3	41.8	47.1	47.3	48.7	49.9	50.9	51.9	51.9	52.1	52.1	52.1	52.1	52.6
≥ 1200	32.7	40.6	44.0	46.7	52.2	52.5	53.9	55.2	56.4	57.4	57.5	57.7	57.7	57.7	57.7	58.2
≥ 1000	35.3	44.0	47.8	51.0	58.1	58.6	60.5	62.2	63.4	64.4	64.6	64.8	64.8	64.8	64.8	65.3
≥ 900	35.8	44.6	48.4	51.6	59.2	59.6	61.6	63.2	64.4	65.5	65.6	65.9	65.9	65.9	65.9	66.3
≥ 800	37.8	46.9	51.0	54.9	63.1	63.6	65.5	67.4	68.7	69.9	70.1	70.3	70.3	70.3	70.3	70.8
≥ 700	38.9	48.7	52.9	57.0	66.1	66.6	68.7	70.7	72.7	73.9	74.3	74.5	74.6	74.6	74.6	75.1
≥ 600	39.5	49.3	53.7	58.0	68.1	68.7	71.3	73.3	75.3	76.8	77.1	77.5	77.6	77.6	77.6	78.1
≥ 500	39.6	49.8	54.4	58.7	69.8	70.4	73.4	76.0	78.4	80.2	80.8	81.2	81.4	81.4	81.4	81.9
≥ 400	39.6	49.9	54.5	58.9	70.3	70.9	74.1	77.8	80.6	82.8	83.4	83.8	84.1	84.1	84.1	84.6
≥ 300	39.8	50.1	54.6	59.0	70.9	72.0	75.7	79.5	82.8	85.4	86.6	87.3	88.0	88.5	88.5	89.3
≥ 200	39.8	50.1	54.6	59.0	71.0	72.1	75.8	80.0	84.1	88.0	89.7	90.7	91.9	93.1	94.0	95.9
≥ 100	39.8	50.1	54.6	59.0	71.0	72.1	75.8	80.0	84.1	88.3	89.9	91.1	92.5	93.8	95.1	100.0
≥ 0	39.8	50.1	54.6	59.0	71.0	72.1	75.8	80.0	84.1	88.3	89.9	91.1	92.5	93.8	95.1	100.0

TOTAL NUMBER OF OBSERVATIONS 835

USAP ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

JAN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	8.3	11.5	13.2	14.5	15.1	15.4	15.6	15.9	16.1	16.2	16.2	16.2	16.2	16.2	16.2	16.2
≥ 20000	11.7	15.9	17.9	19.8	20.6	20.8	21.0	21.3	21.5	21.6	21.6	21.6	21.6	21.6	21.6	21.6
≥ 18000	11.9	16.1	18.1	20.2	20.9	21.2	21.4	21.6	21.9	22.0	22.0	22.0	22.0	22.0	22.0	22.0
≥ 16000	11.9	16.1	18.1	20.2	20.9	21.2	21.4	21.6	21.9	22.0	22.0	22.0	22.0	22.0	22.0	22.0
≥ 14000	12.7	16.2	18.3	20.3	21.0	21.3	21.5	21.8	22.0	22.1	22.1	22.1	22.1	22.1	22.1	22.1
≥ 12000	12.5	16.7	18.8	20.8	21.5	21.8	22.0	22.2	22.5	22.6	22.6	22.6	22.6	22.6	22.6	22.6
≥ 10000	12.6	16.8	19.0	21.0	21.8	22.0	22.2	22.5	22.7	22.8	22.8	22.8	22.8	22.8	22.8	22.8
≥ 9000	12.7	16.9	19.2	21.3	22.2	22.5	22.7	23.0	23.2	23.3	23.3	23.3	23.3	23.3	23.3	23.3
≥ 8000	13.6	18.1	20.7	22.8	23.8	24.0	24.3	24.5	24.8	25.0	25.0	25.0	25.0	25.0	25.0	25.0
≥ 7000	13.8	18.4	20.9	23.3	24.3	24.5	25.1	25.5	25.7	26.0	26.0	26.0	26.0	26.0	26.0	26.0
≥ 6000	13.8	18.4	20.9	23.3	24.3	24.5	25.1	25.5	25.7	26.0	26.0	26.0	26.0	26.0	26.0	26.0
≥ 5000	14.5	19.1	21.8	24.2	25.2	25.5	26.1	26.4	26.7	26.9	26.9	26.9	26.9	26.9	26.9	26.9
≥ 4500	14.9	19.6	22.2	24.6	25.7	26.0	26.6	26.9	27.2	27.4	27.4	27.4	27.4	27.4	27.4	27.4
≥ 4000	17.2	21.9	24.5	26.9	28.0	28.2	29.0	29.3	29.6	29.8	29.8	29.8	29.8	29.8	29.8	29.8
≥ 3500	18.9	23.8	26.6	29.0	30.4	30.6	31.4	31.7	32.0	32.2	32.2	32.2	32.2	32.2	32.2	32.2
≥ 3000	20.6	25.8	28.7	31.1	32.8	33.1	33.8	34.1	34.4	34.6	34.6	34.6	34.6	34.6	34.6	34.6
≥ 2500	23.7	29.7	32.8	35.3	37.3	37.5	38.2	38.6	38.8	39.1	39.1	39.1	39.1	39.1	39.1	39.1
≥ 2000	30.2	36.9	40.0	42.7	44.7	45.0	45.9	46.4	46.6	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 1800	31.1	38.5	41.7	44.4	46.4	46.6	47.7	48.2	48.4	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 1500	36.9	45.8	49.4	52.4	54.9	55.2	56.7	57.5	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 1200	40.9	50.6	54.4	57.6	60.8	61.2	63.2	63.9	64.5	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 1000	42.3	52.8	57.0	60.6	64.9	65.3	67.5	68.4	69.0	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 900	42.5	53.0	57.2	60.9	65.9	66.2	68.5	69.6	70.2	71.0	71.0	71.0	71.0	71.0	71.2	71.2
≥ 800	43.8	54.4	58.9	63.0	68.4	69.0	71.5	72.6	73.3	74.4	74.4	74.4	74.4	74.4	74.6	74.6
≥ 700	44.4	55.5	60.1	64.2	70.3	71.0	74.0	75.5	76.2	77.5	77.5	77.5	77.5	77.5	77.8	77.8
≥ 600	44.5	55.8	60.6	64.8	71.5	72.4	75.8	78.2	79.0	80.4	80.4	80.4	80.4	80.4	80.8	80.8
≥ 500	45.7	56.3	61.2	66.0	73.7	75.0	79.3	82.6	83.4	85.5	85.6	85.7	85.8	86.3	86.3	86.3
≥ 400	45.0	56.3	61.2	66.0	73.9	75.4	80.2	83.9	85.0	87.7	87.9	88.1	88.6	89.2	89.5	89.7
≥ 300	45.0	56.3	61.2	66.0	74.3	76.2	81.4	85.2	86.7	90.1	90.5	91.2	92.2	92.8	93.1	93.4
≥ 200	45.0	56.3	61.2	66.0	74.3	76.2	81.4	85.3	86.8	91.1	91.6	92.4	93.9	95.7	96.2	97.0
≥ 100	45.0	56.3	61.2	66.0	74.3	76.2	81.4	85.3	86.8	91.1	91.7	92.5	94.1	96.9	97.6	100.0
≥ 0	45.0	56.3	61.2	66.0	74.3	76.2	81.4	85.3	86.8	91.1	91.7	92.5	94.1	96.9	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 832

USAF ETAC FORM JUL 64 0-16-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 100 RITBURG AB DL

73-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥3/16	≥¼	≥0
NO CEILING	10.0	13.7	14.7	15.9	17.1	17.3	18.6	18.9	19.2	19.2	19.2	19.2	19.2	19.2	19.3	19.5
≥ 20000	13.3	17.5	18.6	19.8	21.7	21.9	23.1	23.5	23.7	23.7	23.9	23.9	23.9	23.9	24.0	24.2
≥ 18000	13.3	17.5	18.6	19.8	21.7	21.9	23.1	23.5	23.7	23.7	23.9	23.9	23.9	23.9	24.0	24.2
≥ 16000	13.3	17.5	18.6	19.8	21.7	21.9	23.1	23.5	23.7	23.7	23.9	23.9	23.9	23.9	24.0	24.2
≥ 14000	13.3	17.5	18.6	19.8	21.7	21.9	23.1	23.5	23.7	23.7	23.9	23.9	23.9	23.9	24.0	24.2
≥ 12000	13.4	17.6	18.7	19.9	21.9	22.4	23.6	24.0	24.2	24.2	24.3	24.3	24.3	24.3	24.5	24.7
≥ 10000	13.6	17.8	18.9	20.2	22.8	23.3	24.6	24.9	25.2	25.2	25.3	25.3	25.3	25.3	25.4	25.7
≥ 9000	14.0	18.4	19.5	20.8	23.6	24.1	25.4	25.8	26.0	26.0	26.1	26.1	26.1	26.3	26.3	26.5
≥ 8000	14.9	19.4	20.5	21.8	24.9	25.4	26.9	27.2	27.5	27.5	27.6	27.6	27.6	27.6	27.7	28.0
≥ 7000	15.2	19.6	20.7	22.0	25.3	25.8	27.3	27.8	28.1	28.1	28.2	28.2	28.2	28.2	28.3	28.6
≥ 6000	15.2	19.6	20.8	22.2	25.4	25.9	27.5	28.0	28.2	28.2	28.3	28.3	28.3	28.3	28.4	28.7
≥ 5000	15.5	20.1	21.3	22.8	26.1	26.6	28.2	28.7	28.9	28.9	29.0	29.0	29.0	29.2	29.2	29.4
≥ 4500	16.4	21.1	22.3	23.7	27.1	27.6	29.2	29.6	29.9	29.9	30.0	30.0	30.0	30.1	30.1	30.4
≥ 4000	18.6	23.7	24.9	26.4	29.8	30.2	32.0	32.5	32.8	32.8	32.9	32.9	32.9	33.0	33.0	33.3
≥ 3500	20.1	25.4	26.6	28.1	31.6	32.2	34.0	34.5	34.7	34.7	34.8	34.8	34.8	34.8	34.9	35.2
≥ 3000	22.3	27.7	29.0	30.6	34.7	35.3	37.2	37.7	38.0	38.0	38.1	38.1	38.1	38.2	38.2	38.4
≥ 2500	25.7	31.2	32.5	34.2	38.9	39.5	41.4	41.9	42.2	42.3	42.4	42.4	42.4	42.4	42.5	42.8
≥ 2000	29.8	35.9	37.7	39.5	44.7	45.3	47.2	47.8	48.1	48.3	48.4	48.4	48.4	48.4	48.6	48.8
≥ 1800	31.1	38.0	39.8	41.6	46.7	47.3	49.3	50.2	50.5	50.7	50.8	50.8	50.8	50.8	51.0	51.2
≥ 1500	35.9	44.3	46.9	49.9	56.5	57.1	59.4	60.5	60.7	61.0	61.1	61.1	61.1	61.1	61.2	61.4
≥ 1200	38.7	47.6	50.7	54.1	61.3	61.9	64.2	65.5	65.8	66.1	66.3	66.3	66.3	66.3	66.4	66.6
≥ 1000	41.2	50.8	54.2	58.1	65.8	66.5	69.0	70.7	71.1	71.6	71.8	71.9	71.9	72.0	72.0	72.3
≥ 900	41.6	51.6	55.1	59.0	66.7	67.6	70.4	72.0	72.4	73.0	73.3	73.4	73.4	73.5	73.7	74.0
≥ 800	42.3	52.5	56.0	60.8	68.7	69.5	72.4	74.1	74.6	75.8	76.0	76.1	76.1	76.3	76.5	76.7
≥ 700	42.8	53.3	56.7	61.8	69.9	71.0	74.5	76.4	76.9	78.1	78.4	78.6	78.6	78.7	78.9	79.2
≥ 600	42.8	53.5	57.1	62.5	71.6	72.7	76.7	78.7	79.2	80.6	81.0	81.1	81.1	81.2	81.4	81.7
≥ 500	43.3	54.1	57.8	64.0	74.9	76.1	80.4	82.9	83.6	85.8	86.1	86.3	86.3	86.5	86.7	87.0
≥ 400	43.3	54.2	58.0	64.3	75.8	77.2	81.8	84.6	85.5	88.1	88.4	88.8	88.8	89.0	89.3	89.6
≥ 300	43.3	54.3	58.1	64.5	75.9	77.5	82.3	85.4	86.9	90.5	91.2	91.8	92.5	92.9	93.1	93.7
≥ 200	43.3	54.3	58.1	64.5	76.0	77.6	82.4	85.8	87.3	91.3	92.2	93.1	94.2	95.4	95.7	97.1
≥ 100	43.3	54.3	58.1	64.5	76.0	77.6	82.4	85.8	87.3	91.4	92.3	93.3	94.3	96.3	97.7	100.0
≥ 0	43.3	54.3	58.1	64.5	76.0	77.6	82.4	85.8	87.3	91.4	92.3	93.3	94.3	96.3	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 830

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 0 BITBURG AB DL

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	12.1	13.9	14.4	15.2	17.5	17.9	18.5	18.9	19.4	19.5	19.5	19.5	19.5	19.5	19.6	19.6
≥ 20000	14.5	17.0	17.7	18.4	20.8	21.5	22.2	22.8	23.3	23.4	23.4	23.4	23.4	23.4	23.5	23.5
≥ 18000	14.5	17.0	17.7	18.4	20.8	21.5	22.2	22.8	23.3	23.4	23.4	23.4	23.4	23.4	23.5	23.5
≥ 16000	14.5	17.0	17.7	18.4	20.8	21.5	22.2	22.8	23.3	23.4	23.4	23.4	23.4	23.4	23.5	23.5
≥ 14000	14.5	17.0	17.7	18.4	20.8	21.5	22.2	22.8	23.3	23.4	23.4	23.4	23.4	23.4	23.5	23.5
≥ 12000	14.5	17.0	17.7	18.4	21.2	21.8	22.5	23.2	23.6	23.8	23.8	23.8	23.8	23.8	23.9	23.9
≥ 10000	15.3	17.7	18.4	19.3	22.8	23.4	24.1	24.7	25.2	25.3	25.3	25.3	25.3	25.3	25.5	25.5
≥ 9000	15.5	18.1	18.8	19.8	23.3	23.9	24.6	25.3	25.8	25.9	25.9	25.9	25.9	25.9	26.1	26.1
≥ 8000	15.6	18.3	19.2	20.1	23.9	24.6	25.3	26.2	26.7	26.8	26.8	26.8	26.8	26.8	26.9	26.9
≥ 7000	15.8	18.4	19.3	20.2	24.0	24.7	25.5	26.5	27.0	27.2	27.2	27.2	27.2	27.2	27.3	27.3
≥ 6000	15.8	18.4	19.3	20.2	24.0	24.7	25.5	26.5	27.0	27.2	27.2	27.2	27.2	27.2	27.3	27.3
≥ 5000	15.9	18.5	19.4	20.4	24.1	24.8	25.7	26.8	27.3	27.4	27.4	27.4	27.4	27.4	27.5	27.5
≥ 4500	18.2	21.6	22.4	23.5	27.3	28.0	28.8	29.9	30.4	30.5	30.5	30.5	30.5	30.5	30.7	30.7
≥ 4000	22.8	26.8	27.6	28.7	32.8	33.6	34.8	35.9	36.4	36.5	36.6	36.6	36.6	36.6	36.7	36.7
≥ 3500	22.8	26.8	27.6	28.7	32.8	33.6	34.8	35.9	36.4	36.5	36.6	36.6	36.6	36.6	36.7	36.7
≥ 3000	24.4	28.8	29.8	30.9	35.0	35.8	37.0	38.1	38.5	38.7	38.8	38.8	38.8	38.8	38.9	38.9
≥ 2500	26.8	31.6	32.8	34.1	38.8	39.5	40.7	41.8	42.3	42.4	42.5	42.5	42.5	42.5	42.7	42.7
≥ 2000	31.6	37.0	38.2	40.0	45.8	46.5	47.8	48.8	49.3	49.5	49.6	49.6	49.6	49.6	49.7	49.7
≥ 1800	33.1	39.1	40.2	42.1	48.0	48.7	49.9	51.0	51.5	51.6	51.8	51.8	51.8	51.8	51.9	51.9
≥ 1500	37.7	44.8	46.4	49.2	56.1	56.8	58.1	59.2	60.0	60.1	60.4	60.4	60.4	60.4	60.5	60.5
≥ 1200	41.3	49.6	51.4	54.8	62.3	63.3	64.5	65.6	66.4	66.5	66.8	66.8	66.8	66.8	66.9	66.9
≥ 1000	43.2	52.2	54.9	58.5	66.7	67.8	69.1	70.4	71.5	71.8	72.0	72.0	72.0	72.0	72.1	72.1
≥ 900	43.9	53.2	56.2	60.2	68.4	69.5	70.9	72.2	73.3	73.6	73.8	73.8	73.8	73.8	73.9	73.9
≥ 800	45.7	55.6	58.9	63.5	72.0	73.1	75.0	76.5	77.6	77.8	78.1	78.1	78.1	78.1	78.2	78.2
≥ 700	46.8	56.8	60.5	65.6	74.8	76.0	78.2	80.0	81.1	81.3	81.6	81.7	81.7	81.7	81.9	81.9
≥ 600	46.8	57.0	60.6	65.7	75.6	77.0	79.6	81.5	82.5	82.9	83.2	83.3	83.3	83.3	83.5	83.5
≥ 500	47.3	58.1	61.8	67.2	77.7	79.2	82.2	84.5	85.6	86.7	87.0	87.2	87.2	87.2	87.4	87.4
≥ 400	47.3	58.3	62.1	67.4	78.4	80.1	83.6	86.1	87.4	88.5	88.8	89.0	89.0	89.0	89.2	89.3
≥ 300	47.4	58.4	62.2	67.8	78.9	80.6	84.1	87.2	88.8	90.5	90.9	91.0	91.4	91.9	91.9	92.0
≥ 200	47.4	58.4	62.2	67.8	78.9	80.6	84.1	87.2	89.5	92.0	92.6	93.5	94.3	95.0	95.4	95.6
≥ 100	47.4	58.4	62.2	67.8	78.9	80.6	84.1	87.2	89.6	92.2	93.0	93.8	94.7	96.0	97.6	100.0
≥ 0	47.4	58.4	62.2	67.8	78.9	80.6	84.1	87.2	89.6	92.2	93.0	93.8	94.7	96.0	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 825

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
1110

STATION NAME
BITBURG AB DL

YEARS
73-81

MONTH
JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	9.2	11.6	12.5	13.1	14.8	15.0	15.7	16.2	16.7	16.8	16.9	16.9	16.9	17.0	17.1	17.2
≥ 20000	11.3	14.1	15.1	15.8	17.8	18.1	18.9	19.5	19.9	20.1	20.2	20.2	20.2	20.3	20.4	20.5
≥ 18000	11.4	14.2	15.2	15.9	17.9	18.3	19.0	19.6	20.1	20.3	20.3	20.3	20.3	20.4	20.6	20.7
≥ 16000	11.4	14.2	15.2	15.9	17.9	18.3	19.0	19.6	20.1	20.3	20.3	20.3	20.3	20.4	20.6	20.7
≥ 14000	11.4	14.2	15.2	15.9	18.0	18.3	19.0	19.6	20.1	20.3	20.3	20.4	20.4	20.5	20.6	20.7
≥ 12000	11.5	14.3	15.3	16.1	18.3	18.6	19.4	20.0	20.4	20.6	20.7	20.7	20.7	20.8	20.9	21.0
≥ 10000	11.9	14.7	15.8	16.6	19.0	19.4	20.2	20.8	21.3	21.5	21.5	21.6	21.6	21.7	21.8	21.9
≥ 9000	12.1	15.0	16.1	17.0	19.5	19.9	20.8	21.4	21.9	22.1	22.1	22.2	22.2	22.3	22.4	22.5
≥ 8000	12.7	15.7	16.9	17.8	20.7	21.1	22.0	22.7	23.2	23.4	23.4	23.5	23.5	23.6	23.7	23.8
≥ 7000	12.9	16.0	17.2	18.2	21.1	21.5	22.5	23.2	23.7	23.9	24.0	24.0	24.0	24.1	24.2	24.4
≥ 6000	13.1	16.2	17.4	18.4	21.3	21.7	22.7	23.5	24.0	24.2	24.2	24.3	24.3	24.4	24.5	24.6
≥ 5000	13.5	16.7	18.0	19.0	22.0	22.4	23.5	24.3	24.8	25.0	25.0	25.1	25.1	25.2	25.3	25.5
≥ 4500	15.1	18.7	19.9	21.0	24.0	24.5	25.6	26.3	26.9	27.1	27.1	27.2	27.2	27.3	27.4	27.6
≥ 4000	16.8	20.7	22.0	23.2	26.3	26.7	28.0	28.8	29.3	29.5	29.6	29.6	29.6	29.7	29.9	30.0
≥ 3500	18.2	22.3	23.7	24.9	28.3	28.8	30.0	30.8	31.4	31.6	31.6	31.7	31.7	31.8	32.0	32.1
≥ 3000	20.2	24.6	26.2	27.4	31.2	31.7	33.0	33.8	34.4	34.6	34.6	34.7	34.7	34.8	35.0	35.1
≥ 2500	22.8	27.6	29.3	30.7	34.8	35.4	36.7	37.5	38.1	38.3	38.4	38.4	38.5	38.6	38.7	38.9
≥ 2000	27.3	32.8	34.7	36.3	40.9	41.6	43.0	44.0	44.6	44.8	44.9	45.0	45.0	45.1	45.2	45.4
≥ 1800	28.5	34.4	36.4	38.0	42.6	43.2	44.8	45.7	46.4	46.6	46.7	46.8	46.8	46.9	47.0	47.2
≥ 1500	33.3	40.1	42.4	44.4	49.8	50.5	52.2	53.4	54.2	54.6	54.6	54.7	54.8	54.9	55.0	55.2
≥ 1200	36.8	44.6	47.3	49.7	55.6	56.3	58.2	59.6	60.4	60.8	60.9	61.0	61.0	61.1	61.3	61.4
≥ 1000	39.0	47.6	50.7	53.5	60.3	61.1	63.3	64.9	65.8	66.3	66.4	66.5	66.6	66.7	66.8	67.0
≥ 900	39.3	48.2	51.5	54.4	61.3	62.2	64.5	66.1	67.0	67.5	67.7	67.8	67.8	67.9	68.1	68.2
≥ 800	40.8	50.2	53.8	57.3	64.9	65.9	68.5	70.2	71.3	72.0	72.1	72.2	72.2	72.4	72.6	72.7
≥ 700	41.7	51.6	55.5	59.4	67.8	69.0	71.9	73.8	75.1	75.9	76.1	76.2	76.2	76.4	76.5	76.7
≥ 600	42.2	52.3	56.2	60.2	69.5	70.7	73.9	76.0	77.4	78.3	78.5	78.6	78.6	78.8	79.0	79.2
≥ 500	42.5	53.0	57.1	61.5	71.8	73.1	76.9	79.6	81.3	82.7	83.0	83.2	83.3	83.5	83.7	83.9
≥ 400	42.5	53.2	57.3	61.8	72.8	74.4	78.6	81.7	83.7	85.5	85.8	86.0	86.2	86.5	86.7	87.1
≥ 300	42.6	53.3	57.4	62.1	73.5	75.3	79.9	83.4	85.9	88.2	88.8	89.2	89.7	90.4	91.7	91.2
≥ 200	42.6	53.3	57.5	62.1	73.6	75.5	80.2	84.0	87.0	89.9	90.6	91.3	92.2	93.7	94.4	95.5
≥ 100	42.6	53.3	57.5	62.1	73.6	75.5	80.2	84.0	87.1	90.1	90.9	91.7	92.7	94.9	96.7	99.7
≥ 0	42.6	53.3	57.5	62.1	73.6	75.5	80.2	84.0	87.1	90.1	90.9	91.7	92.7	94.9	96.7	100.0

TOTAL NUMBER OF OBSERVATIONS 6648

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
1150

STATION NAME
BITBURG AB DL

YEARS
73-81

MONTH
FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	22.5	24.1	24.5	25.1	27.9	28.6	30.2	30.6	30.9	31.3	31.3	31.6	31.6	31.6	31.6	32.3
≥ 20000	22.2	26.6	27.1	27.8	30.7	31.5	33.1	34.0	34.3	34.7	34.7	35.1	35.1	35.1	35.1	35.8
≥ 18000	22.2	26.6	27.1	27.8	30.7	31.5	33.2	34.3	34.6	35.0	35.0	35.4	35.4	35.4	35.4	36.0
≥ 16000	22.2	26.6	27.1	27.8	30.7	31.5	33.2	34.3	34.6	35.0	35.0	35.4	35.4	35.4	35.4	36.0
≥ 14000	22.2	26.6	27.1	27.8	30.7	31.5	33.2	34.3	34.6	35.0	35.0	35.4	35.4	35.4	35.4	36.0
≥ 12000	22.2	26.6	27.1	27.8	30.7	31.5	33.4	34.4	34.7	35.1	35.1	35.5	35.5	35.5	35.5	36.2
≥ 10000	23.1	27.8	28.3	29.0	31.9	32.8	34.7	35.9	36.2	36.6	36.6	37.0	37.0	37.0	37.1	37.8
≥ 9000	23.1	27.9	28.5	29.1	32.0	33.0	34.8	36.0	36.4	36.8	36.8	37.2	37.2	37.2	37.4	38.0
≥ 8000	23.7	28.6	29.1	29.8	33.5	34.4	36.8	38.0	38.4	38.8	38.8	39.2	39.2	39.2	39.4	40.0
≥ 7000	23.7	29.0	29.5	30.2	33.9	34.8	37.2	38.6	39.0	39.4	39.4	39.8	39.8	39.8	39.9	40.6
≥ 6000	23.7	29.0	29.5	30.2	33.9	34.8	37.2	38.6	39.0	39.4	39.4	39.8	39.8	39.8	39.9	40.6
≥ 5000	24.2	29.5	30.2	31.0	35.0	36.0	38.4	39.8	40.2	40.6	40.6	41.0	41.1	41.4	41.5	42.2
≥ 4500	25.4	31.0	31.6	32.4	36.8	37.9	40.3	41.6	42.2	42.6	42.6	43.0	43.1	43.4	43.5	44.1
≥ 4000	26.9	32.4	33.5	34.7	39.4	40.4	42.8	44.1	44.7	45.1	45.1	45.5	45.6	45.9	46.0	46.7
≥ 3500	29.1	35.1	36.4	37.9	42.8	43.9	46.4	47.7	48.4	48.8	48.8	49.2	49.3	49.6	49.7	50.4
≥ 3000	32.2	39.1	40.7	42.2	47.3	48.4	51.1	52.4	53.1	53.5	53.5	53.9	54.0	54.3	54.4	55.1
≥ 2500	34.0	41.1	43.2	44.7	50.0	51.1	54.0	55.3	56.0	56.4	56.4	56.8	56.9	57.2	57.3	58.0
≥ 2000	35.5	43.4	46.0	47.9	54.1	55.3	58.2	59.6	60.2	60.6	60.6	61.0	61.2	61.4	61.6	62.2
≥ 1800	36.2	44.0	46.7	48.5	55.1	56.3	59.4	60.8	61.4	61.8	61.8	62.2	62.4	62.6	62.8	63.4
≥ 1500	38.8	47.9	51.1	53.1	60.6	62.0	65.3	67.0	68.1	68.5	68.5	68.9	69.0	69.3	69.4	70.1
≥ 1200	40.4	50.5	54.1	56.1	64.2	65.8	69.7	71.7	72.9	73.3	73.3	73.7	73.8	74.1	74.2	74.9
≥ 1000	41.5	53.2	57.0	59.4	68.9	70.7	75.0	77.0	78.5	78.9	78.9	79.3	79.4	79.7	79.8	80.5
≥ 900	42.3	54.0	57.8	60.5	70.1	71.9	76.2	78.2	79.8	80.2	80.2	80.6	80.7	81.0	81.1	81.8
≥ 800	43.0	54.9	58.8	61.4	72.6	74.7	79.3	81.3	83.1	83.5	83.5	83.9	84.0	84.3	84.4	85.1
≥ 700	43.2	55.2	59.0	61.7	73.1	75.4	80.2	82.8	84.7	85.1	85.1	85.5	85.6	85.9	86.0	86.7
≥ 600	43.4	55.3	59.2	62.4	73.9	76.3	81.3	84.0	85.9	86.3	86.3	86.7	86.8	87.1	87.2	87.9
≥ 500	43.5	55.9	59.7	63.2	75.0	77.4	82.6	85.9	88.2	88.6	88.6	89.0	89.1	89.5	89.6	90.3
≥ 400	43.5	56.0	59.8	63.3	75.3	77.7	83.0	86.6	89.1	89.5	89.5	89.9	90.2	90.6	90.7	91.4
≥ 300	43.5	56.1	60.2	63.7	75.8	78.2	84.2	88.3	91.8	92.7	92.7	93.2	93.6	94.1	94.3	94.9
≥ 200	43.5	56.1	60.2	63.7	75.8	78.2	84.2	88.7	92.3	93.2	93.2	93.8	94.4	95.2	95.7	96.9
≥ 100	43.5	56.4	60.5	64.0	76.1	78.5	84.4	89.1	92.7	93.8	93.8	94.3	95.1	96.5	98.0	99.9
≥ 0	43.5	56.4	60.5	64.0	76.1	78.5	84.4	89.1	92.7	93.8	93.8	94.3	95.1	96.5	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 752

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

100 BITBURG AB DL

73-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	17.5	19.3	20.3	21.4	22.8	23.3	25.3	26.5	26.6	27.2	27.2	27.2	27.2	27.2	27.7	28.0
≥ 20000	19.3	21.7	22.9	24.0	25.4	26.1	28.1	29.3	29.5	30.3	30.3	30.3	30.3	30.3	30.8	31.1
≥ 18000	17.3	21.7	22.9	24.0	25.4	26.1	28.1	29.3	29.6	30.4	30.4	30.4	30.4	30.4	30.9	31.2
≥ 16000	19.3	21.7	22.9	24.0	25.4	26.1	28.1	29.3	29.6	30.4	30.4	30.4	30.4	30.4	30.9	31.2
≥ 14000	19.3	21.7	22.9	24.0	25.4	26.1	28.1	29.3	29.6	30.4	30.4	30.4	30.4	30.4	30.9	31.2
≥ 12000	19.3	21.7	22.9	24.0	25.4	26.1	28.1	29.3	29.6	30.4	30.4	30.4	30.4	30.4	30.9	31.2
≥ 10000	20.1	22.5	23.7	24.8	26.2	26.9	29.0	30.4	30.7	31.5	31.5	31.5	31.5	32.0	32.1	32.3
≥ 9000	20.2	22.9	24.1	25.2	26.8	27.4	29.6	30.9	31.2	32.0	32.0	32.0	32.0	32.5	32.7	32.8
≥ 8000	21.7	23.8	25.0	26.1	28.4	29.0	31.5	32.8	33.5	34.3	34.3	34.3	34.3	34.8	34.9	35.1
≥ 7000	21.4	24.4	25.6	26.6	28.9	29.6	32.0	33.3	34.3	35.1	35.1	35.1	35.1	35.6	35.7	35.9
≥ 6000	21.6	24.5	25.7	26.8	29.0	29.7	32.1	33.5	34.4	35.2	35.2	35.2	35.2	35.7	35.9	36.0
≥ 5000	21.7	24.8	26.2	27.3	29.7	30.4	32.8	34.1	35.2	36.0	36.0	36.0	36.0	36.5	36.7	36.8
≥ 4500	23.2	26.8	28.2	29.3	32.3	32.9	35.5	36.9	38.0	38.8	38.8	38.8	38.8	39.4	39.5	39.6
≥ 4000	24.9	28.6	30.1	31.3	34.7	35.3	38.0	39.5	40.6	41.4	41.4	41.4	41.4	41.9	42.0	42.2
≥ 3500	26.2	30.4	32.0	33.5	36.9	37.6	40.4	42.0	43.2	44.2	44.2	44.3	44.3	44.8	45.0	45.1
≥ 3000	28.8	33.7	35.3	36.8	41.1	41.8	44.6	46.6	47.8	48.7	48.7	48.9	48.9	49.5	49.7	49.8
≥ 2500	30.3	35.5	37.1	38.6	43.2	44.0	47.5	49.5	50.9	51.8	51.8	51.9	51.9	52.6	52.7	52.9
≥ 2000	32.5	38.7	40.4	42.2	47.8	49.0	52.5	54.6	56.0	57.2	57.2	57.3	57.3	58.0	58.1	58.2
≥ 1800	33.3	39.5	41.2	43.0	48.9	50.3	54.2	56.4	57.7	59.2	59.2	59.3	59.3	60.0	60.1	60.2
≥ 1500	36.1	43.4	45.9	48.1	54.6	56.1	60.4	62.5	64.5	66.0	66.0	66.1	66.1	66.8	66.9	67.1
≥ 1200	38.8	47.1	49.8	52.3	60.5	62.0	66.4	68.5	70.7	72.2	72.2	72.3	72.3	73.0	73.1	73.2
≥ 1000	40.8	50.5	53.4	56.6	65.7	67.2	71.8	73.9	76.0	77.5	77.5	77.6	77.6	78.3	78.4	78.6
≥ 900	41.1	51.1	54.1	57.3	66.7	68.1	73.0	75.5	77.6	79.3	79.3	79.4	79.4	80.1	80.2	80.3
≥ 800	41.9	52.3	55.3	58.5	68.3	69.7	74.8	77.4	79.5	81.1	81.1	81.3	81.3	81.9	82.1	82.2
≥ 700	42.6	53.4	56.4	59.6	69.6	71.1	76.7	79.9	82.1	83.7	83.7	83.8	83.8	84.5	84.6	84.7
≥ 600	43.7	54.2	57.3	60.6	70.8	72.3	78.4	81.7	84.3	86.1	86.1	86.2	86.2	86.9	87.0	87.1
≥ 500	43.0	54.6	57.7	61.2	71.6	73.1	79.3	83.0	86.1	88.0	88.0	88.1	88.1	89.4	89.6	89.7
≥ 400	43.0	54.6	57.7	61.4	72.3	74.0	80.7	84.5	87.8	89.7	89.7	89.8	89.8	91.2	91.3	91.4
≥ 300	43.0	54.8	57.8	61.6	72.4	74.2	80.9	84.6	88.1	90.1	90.5	90.6	90.6	92.0	92.1	92.2
≥ 200	43.0	54.8	57.8	61.6	72.4	74.2	81.0	84.7	88.2	90.6	91.4	91.6	92.0	94.0	94.8	95.7
≥ 100	43.0	54.8	57.8	61.6	72.4	74.2	81.0	84.7	88.4	91.2	92.1	92.2	92.9	95.6	97.6	100.0
≥ 0	43.0	54.8	57.8	61.6	72.4	74.2	81.0	84.7	88.4	91.2	92.1	92.2	92.9	95.6	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 747

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

0130
STATION

BITBURG AB DL
STATION NAME

73-81
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼	≥0
NO CEILING	14.5	17.9	19.7	21.1	21.9	22.4	23.6	24.9	25.5	25.6	25.9	26.1	26.4	26.5	26.8	27.2	
≥ 20000	15.8	19.4	21.4	21.8	24.5	25.2	26.4	27.8	28.4	28.9	29.2	29.4	29.7	29.8	30.1	30.5	
≥ 18000	15.8	19.4	21.4	21.8	24.5	25.2	26.4	27.8	28.4	28.9	29.2	29.4	29.7	29.8	30.1	30.5	
≥ 16000	15.8	19.4	21.4	21.8	24.5	25.2	26.4	27.8	28.4	28.9	29.2	29.4	29.7	29.8	30.1	30.5	
≥ 14000	15.8	19.4	21.4	21.8	24.5	25.2	26.4	27.8	28.4	28.9	29.2	29.4	29.7	29.8	30.1	30.5	
≥ 12000	15.8	19.5	21.5	21.9	24.7	25.3	26.5	28.0	28.5	29.0	29.3	29.6	29.8	29.9	30.2	30.6	
≥ 10000	16.4	20.2	22.2	22.6	25.5	26.1	27.3	28.8	29.3	29.8	30.1	30.3	30.6	30.7	31.0	31.4	
≥ 9000	16.8	20.6	22.6	23.0	25.9	26.5	27.7	29.2	29.7	30.2	30.5	30.7	31.0	31.1	31.4	31.9	
≥ 8000	17.4	21.9	23.9	24.3	27.4	28.1	29.3	30.7	31.3	31.8	32.1	32.3	32.6	32.7	33.0	33.4	
≥ 7000	17.8	22.3	24.3	24.7	27.8	28.5	29.8	31.3	31.8	32.3	32.6	32.8	33.1	33.2	33.5	33.9	
≥ 6000	17.9	22.4	24.5	24.9	28.1	28.8	30.1	31.5	32.1	32.6	32.8	33.1	33.4	33.5	33.8	34.2	
≥ 5000	18.2	22.8	24.9	25.3	28.6	29.3	30.6	32.1	32.6	33.1	33.4	33.6	33.9	34.0	34.3	34.7	
≥ 4500	18.9	23.5	25.9	26.4	30.1	30.7	32.1	33.5	34.0	34.6	34.8	35.1	35.4	35.5	35.8	36.1	
≥ 4000	20.2	25.1	27.4	28.0	31.9	32.6	34.2	35.6	36.1	36.7	36.9	37.2	37.5	37.6	37.9	38.3	
≥ 3500	21.8	26.8	29.2	29.7	33.8	34.6	36.1	37.7	38.3	38.8	39.1	39.3	39.6	39.7	40.0	40.4	
≥ 3000	23.4	28.5	31.1	31.7	35.9	36.8	38.5	40.1	40.8	41.3	41.6	41.8	42.1	42.2	42.5	42.9	
≥ 2500	25.2	30.6	33.2	33.9	38.5	39.6	41.7	43.5	44.2	44.7	45.0	45.3	45.5	45.6	45.9	46.3	
≥ 2000	28.1	34.6	37.2	37.9	42.9	44.1	46.3	48.2	48.8	49.3	49.6	49.9	50.1	50.3	50.5	50.9	
≥ 1800	29.2	35.8	38.4	39.2	44.2	45.8	48.0	50.0	50.7	51.2	51.5	51.7	52.0	52.1	52.4	52.8	
≥ 1500	32.9	40.8	43.9	45.1	52.1	54.0	57.0	59.1	60.0	60.6	60.8	61.1	61.3	61.5	61.7	62.1	
≥ 1200	36.1	44.9	48.3	49.5	57.0	59.0	62.1	64.2	65.2	65.7	66.0	66.2	66.5	66.6	66.9	67.3	
≥ 1000	37.5	46.6	50.0	51.7	60.7	62.9	66.4	69.1	70.1	70.7	71.0	71.2	71.5	71.6	71.9	72.3	
≥ 900	38.3	47.5	50.9	52.8	61.9	64.1	67.5	70.3	71.4	72.0	72.3	72.6	72.8	73.0	73.2	73.6	
≥ 800	39.2	48.9	52.8	54.6	64.1	66.5	70.2	73.1	74.1	74.8	75.1	75.3	75.6	75.7	76.1	76.5	
≥ 700	40.1	50.4	54.2	56.7	67.2	69.5	73.5	77.2	78.2	78.9	79.2	79.4	79.7	79.9	80.3	80.7	
≥ 600	40.8	51.2	55.4	58.0	68.7	71.1	75.5	79.2	80.6	81.3	81.5	81.8	82.1	82.3	82.7	83.1	
≥ 500	41.6	52.2	56.9	59.5	70.4	73.0	77.8	82.2	83.9	84.6	84.8	85.1	85.4	85.8	86.1	86.5	
≥ 400	41.6	52.2	56.9	59.9	71.4	74.3	79.3	83.8	86.1	86.9	87.2	87.5	87.7	88.1	88.5	88.9	
≥ 300	41.6	52.2	56.9	59.9	71.5	74.4	79.7	84.2	86.7	87.9	88.1	88.4	88.8	89.4	90.0	90.5	
≥ 200	41.6	52.2	56.9	59.9	71.5	74.4	79.8	84.4	87.6	89.7	90.0	90.5	91.3	93.0	94.6	95.8	
≥ 100	41.6	52.2	56.9	59.9	71.5	74.4	79.8	84.4	87.7	90.0	90.2	90.8	91.7	94.1	96.7	99.7	
≥ 0	41.6	52.2	56.9	59.9	71.5	74.4	79.8	84.4	87.7	90.1	90.4	90.9	91.8	94.2	96.8	100.0	

TOTAL NUMBER OF OBSERVATIONS 758

GLOBAL CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

170 BITBURG AB DL

73-81

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1980-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥3/16	≥¼	≥0
NO CEILING	5.6	11.7	14.1	16.3	19.1	19.7	20.4	21.7	21.9	23.5	24.3	24.3	24.6	24.8	24.8	25.4
≥ 20000	8.7	13.5	16.0	18.3	22.1	22.7	23.7	25.0	25.2	26.9	27.7	27.7	28.1	28.6	28.6	29.3
≥ 18000	8.1	13.7	16.2	18.4	22.3	23.0	23.9	25.2	25.6	27.3	28.1	28.1	28.5	29.0	29.0	29.7
≥ 16000	8.1	13.7	16.2	18.4	22.3	23.0	23.9	25.2	25.6	27.3	28.1	28.1	28.5	29.0	29.0	29.7
≥ 14000	8.1	13.8	16.3	18.5	22.5	23.1	24.0	25.4	25.8	27.5	28.3	28.3	28.6	29.2	29.2	29.8
≥ 12000	8.1	13.8	16.3	18.5	22.6	23.3	24.2	25.5	25.9	27.6	28.4	28.4	28.8	29.3	29.3	30.0
≥ 10000	8.9	14.8	17.3	19.6	23.7	24.3	25.2	26.5	26.9	28.6	29.4	29.4	29.8	30.4	30.4	31.0
≥ 9000	9.1	15.0	17.5	19.7	23.8	24.4	25.4	26.8	27.2	28.9	29.7	29.7	30.1	30.6	30.6	31.3
≥ 8000	9.9	16.3	19.1	21.3	25.8	26.5	27.5	28.9	29.4	31.1	31.9	31.9	32.3	32.9	32.9	33.5
≥ 7000	10.0	16.4	19.2	21.4	25.9	26.9	27.9	29.3	29.8	31.5	32.3	32.3	32.7	33.2	33.2	33.9
≥ 6000	10.1	16.6	19.3	21.7	26.1	27.2	28.1	29.6	30.1	31.8	32.6	32.6	33.0	33.5	33.5	34.2
≥ 5000	10.8	17.3	20.1	22.5	26.9	28.1	29.0	30.5	31.0	32.7	33.5	33.5	33.9	34.4	34.4	35.1
≥ 4500	10.9	17.5	20.2	22.6	27.2	28.4	29.3	30.7	31.3	33.0	33.8	33.8	34.2	34.7	34.7	35.3
≥ 4000	11.6	18.1	21.7	24.0	28.6	29.8	31.3	33.0	33.5	35.3	36.3	36.3	36.7	37.2	37.2	37.8
≥ 3500	12.4	19.3	23.7	25.5	30.7	31.9	33.5	35.2	35.7	37.6	38.5	38.5	38.9	39.4	39.4	40.2
≥ 3000	13.0	20.1	24.0	26.5	31.8	33.1	34.7	36.4	36.9	38.8	39.7	39.7	40.1	40.6	40.7	41.4
≥ 2500	14.6	22.9	26.8	29.4	35.0	36.3	38.0	39.8	40.5	42.4	43.4	43.4	43.8	44.3	44.4	45.1
≥ 2000	17.7	26.4	30.6	33.5	39.3	40.6	42.4	44.4	45.1	47.0	48.0	48.0	48.4	49.0	49.1	49.8
≥ 1800	18.7	27.6	31.8	35.0	40.9	42.2	44.0	46.0	46.8	48.8	49.7	49.7	50.1	50.7	50.9	51.5
≥ 1500	21.7	32.5	37.1	40.2	47.8	49.7	51.8	54.0	55.2	57.7	58.6	58.6	59.0	59.7	59.8	60.4
≥ 1200	23.9	35.6	40.3	43.9	52.3	54.4	56.6	59.0	60.3	62.8	63.7	63.7	64.1	64.8	64.9	65.6
≥ 1000	25.1	37.3	42.4	46.5	56.0	58.2	61.1	63.6	65.0	67.9	69.1	69.3	69.6	70.3	70.4	71.1
≥ 900	25.2	37.8	43.1	47.2	56.9	59.1	62.0	64.5	66.0	69.0	70.2	70.3	70.7	71.4	71.5	72.1
≥ 800	25.5	38.2	43.8	48.0	58.3	60.6	64.1	67.3	68.9	72.4	73.6	73.7	74.1	74.8	74.9	75.6
≥ 700	26.1	39.0	44.9	49.1	60.2	62.8	66.4	70.3	71.9	75.8	77.1	77.3	77.7	78.3	78.4	79.1
≥ 600	26.3	39.4	45.6	50.2	61.6	64.3	67.9	72.3	73.9	77.9	79.2	79.4	79.8	80.4	80.6	81.2
≥ 500	26.9	40.1	46.3	51.2	63.2	66.0	70.4	75.3	77.3	82.0	83.3	83.4	84.0	84.6	84.8	85.4
≥ 400	27.1	40.2	46.4	51.5	63.9	66.9	71.5	76.7	79.5	84.5	85.8	85.9	86.5	87.1	87.3	87.9
≥ 300	27.1	40.3	46.5	51.6	64.1	67.1	71.7	77.1	80.8	86.7	88.0	88.3	89.1	89.9	90.0	90.7
≥ 200	27.1	40.3	46.5	51.6	64.1	67.1	71.7	77.1	80.9	87.4	88.8	89.1	90.1	92.0	93.2	95.1
≥ 100	27.1	40.3	46.5	51.6	64.1	67.1	71.7	77.1	80.9	87.5	89.0	89.4	90.4	92.2	94.3	100.0
≥ 0	27.1	40.3	46.5	51.6	64.1	67.1	71.7	77.1	80.9	87.5	89.0	89.4	90.4	92.2	94.3	100.0

TOTAL NUMBER OF OBSERVATIONS 761

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION BITBURG AB DL

73-81

PER

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	0.1	14.8	16.7	18.3	20.1	20.8	21.7	22.7	23.3	23.8	23.9	23.9	24.0	24.6	24.6	25.0
≥ 20000	11.2	18.0	20.4	22.5	25.1	26.0	27.2	28.3	28.9	29.4	29.6	29.6	29.7	30.2	30.4	30.7
≥ 18000	12.2	18.4	21.8	22.9	25.6	26.5	27.7	28.9	29.6	30.1	30.2	30.2	30.4	30.9	31.0	31.4
≥ 16000	12.2	18.4	21.8	22.9	25.6	26.5	27.7	28.9	29.6	30.1	30.2	30.2	30.4	30.9	31.0	31.4
≥ 14000	12.2	18.4	21.8	22.9	25.6	26.5	27.7	28.9	29.6	30.1	30.2	30.2	30.4	30.9	31.0	31.4
≥ 12000	12.2	18.4	21.8	22.9	25.6	26.5	27.7	28.9	29.6	30.1	30.2	30.2	30.4	30.9	31.0	31.4
≥ 10000	13.4	19.7	22.3	24.4	27.2	28.1	29.3	30.5	31.1	31.7	31.8	31.9	31.9	32.5	32.6	33.0
≥ 9000	14.3	20.6	23.5	25.8	28.5	29.4	30.6	31.8	32.5	33.1	33.2	33.2	33.4	33.9	34.0	34.4
≥ 8000	14.6	20.9	23.8	26.0	29.0	30.0	31.1	32.3	33.0	33.6	33.8	33.8	33.9	34.4	34.6	35.0
≥ 7000	14.6	20.9	23.8	26.0	29.0	30.0	31.1	32.3	33.0	33.6	33.8	33.8	33.9	34.4	34.6	35.0
≥ 6000	14.7	21.0	23.9	26.1	29.3	30.2	31.5	33.0	33.6	34.3	34.4	34.4	34.6	35.1	35.2	35.6
≥ 5000	15.7	21.3	24.2	26.4	29.6	30.5	31.8	33.2	33.9	34.6	34.7	34.7	34.8	35.3	35.5	35.9
≥ 4500	15.2	21.8	24.7	26.9	30.2	31.1	32.5	33.9	34.6	35.2	35.3	35.3	35.5	36.0	36.1	36.5
≥ 4000	16.4	23.4	26.5	28.8	32.2	33.2	34.7	36.1	36.8	37.8	38.0	38.0	38.1	38.6	38.8	39.2
≥ 3500	17.2	24.3	27.5	29.7	33.4	34.4	35.9	37.3	38.0	39.0	39.2	39.2	39.3	39.8	39.9	40.3
≥ 3000	18.8	26.9	31.1	32.5	36.3	37.5	39.0	40.5	41.3	42.3	42.4	42.4	42.6	43.1	43.2	43.6
≥ 2500	21.4	31.2	33.6	36.0	40.1	41.3	42.8	44.3	45.1	46.1	46.5	46.5	46.6	47.2	47.3	47.7
≥ 2000	25.2	36.0	39.7	42.3	46.5	47.7	49.3	51.0	51.8	53.1	53.5	53.5	53.6	54.1	54.3	54.7
≥ 1800	25.9	37.7	41.7	44.3	48.5	49.7	51.2	53.0	53.7	55.1	55.5	55.5	55.6	56.1	56.2	56.6
≥ 1500	29.2	42.4	47.0	50.1	55.3	56.8	58.5	60.7	61.6	62.9	63.3	63.3	63.5	64.0	64.1	64.5
≥ 1200	30.5	45.2	49.9	53.5	59.5	61.5	63.2	66.0	67.0	68.5	69.0	69.0	69.1	69.6	69.8	70.2
≥ 1000	31.5	46.9	51.6	55.5	62.5	64.7	66.5	69.5	70.6	72.4	73.1	73.2	73.3	73.9	74.0	74.4
≥ 900	31.5	46.9	51.6	55.5	62.9	65.0	67.0	70.2	71.4	73.2	73.9	74.0	74.1	74.6	74.8	75.2
≥ 800	32.7	48.8	53.9	58.1	66.1	68.3	70.8	74.0	76.0	77.8	78.4	78.7	78.8	79.4	79.5	79.9
≥ 700	33.7	49.0	54.3	58.7	67.4	69.6	72.3	75.7	77.7	79.6	80.3	80.6	80.7	81.2	81.3	81.7
≥ 600	33.2	49.4	54.7	59.3	68.5	70.7	73.9	77.4	79.6	81.9	82.5	82.8	82.9	83.4	83.6	84.0
≥ 500	33.5	49.8	55.2	60.1	70.0	72.5	76.2	80.7	83.3	86.2	87.0	87.3	87.5	88.0	88.2	88.6
≥ 400	33.5	49.8	55.2	60.1	70.7	73.2	76.9	81.5	84.6	88.0	88.8	89.2	89.6	90.1	90.3	90.7
≥ 300	33.5	49.8	55.2	60.1	70.7	73.2	77.3	82.1	85.3	90.1	91.3	91.9	92.8	93.7	93.8	94.2
≥ 200	33.5	49.8	55.2	60.1	70.7	73.2	77.3	82.1	85.4	90.7	92.1	92.8	94.2	95.8	96.5	97.1
≥ 100	33.5	49.8	55.2	60.1	70.7	73.2	77.3	82.1	85.4	90.7	92.1	92.8	94.5	96.1	96.7	100.0
≥ 0	33.5	49.8	55.2	60.1	70.7	73.2	77.3	82.1	85.4	90.7	92.1	92.8	94.5	96.1	96.7	100.0

TOTAL NUMBER OF OBSERVATIONS 761

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 100 BITBURG AB DL

73-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	18.1	27.9	21.3	21.9	24.8	25.2	25.8	26.2	26.3	26.6	26.6	26.6	26.6	26.6	26.6	26.6
≥ 20000	22.1	26.2	26.7	28.1	31.7	32.1	32.8	33.3	33.4	33.8	33.8	33.9	33.9	33.9	33.9	33.9
≥ 18000	22.1	26.2	26.7	28.1	31.7	32.1	32.8	33.3	33.4	33.8	33.8	33.9	33.9	33.9	33.9	33.9
≥ 16000	22.1	26.2	26.7	28.1	31.7	32.1	32.8	33.3	33.4	33.8	33.8	33.9	33.9	33.9	33.9	33.9
≥ 14000	22.1	26.2	26.7	28.1	31.7	32.1	32.8	33.3	33.4	33.8	33.8	33.9	33.9	33.9	33.9	33.9
≥ 12000	23.0	27.5	28.0	29.5	33.0	33.6	34.2	34.7	34.9	35.3	35.3	35.4	35.4	35.4	35.4	35.4
≥ 10000	23.5	28.1	28.7	30.1	33.8	34.3	35.0	35.8	35.9	36.3	36.3	36.5	36.5	36.5	36.5	36.5
≥ 9000	24.0	29.1	29.6	31.2	35.0	35.5	36.3	37.3	37.5	37.9	37.9	38.0	38.0	38.0	38.0	38.0
≥ 8000	24.6	30.1	30.6	32.2	36.1	36.9	37.8	39.0	39.2	39.6	39.6	39.8	39.8	39.8	39.8	39.8
≥ 7000	25.1	30.4	31.0	32.6	36.6	37.4	38.3	39.5	39.8	40.2	40.2	40.3	40.3	40.3	40.3	40.3
≥ 6000	25.1	30.4	31.0	32.6	36.6	37.4	38.3	39.5	39.8	40.2	40.2	40.3	40.3	40.3	40.3	40.3
≥ 5000	26.0	31.3	32.0	33.7	37.6	38.4	39.4	40.6	40.8	41.2	41.2	41.3	41.3	41.3	41.3	41.3
≥ 4500	26.6	32.0	32.8	34.5	38.4	39.2	40.2	41.3	41.6	42.0	42.0	42.1	42.1	42.1	42.1	42.1
≥ 4000	27.9	33.6	34.5	36.5	40.4	41.2	42.1	43.5	43.7	44.1	44.1	44.3	44.3	44.3	44.3	44.3
≥ 3500	29.9	36.2	37.1	39.1	43.1	43.9	44.8	46.1	46.4	46.8	46.8	46.9	46.9	46.9	46.9	46.9
≥ 3000	32.4	39.9	41.0	42.9	47.2	48.0	49.0	50.7	51.0	51.4	51.4	51.5	51.5	51.5	51.5	51.5
≥ 2500	35.3	43.2	44.4	46.5	51.1	51.9	53.0	54.7	55.0	55.4	55.4	55.5	55.5	55.5	55.5	55.5
≥ 2000	40.8	51.5	53.1	55.9	61.2	62.0	63.0	64.7	65.0	65.4	65.4	65.5	65.5	65.5	65.5	65.5
≥ 1800	41.7	52.6	54.2	56.9	62.2	63.0	64.1	65.8	66.1	66.4	66.4	66.6	66.6	66.6	66.6	66.6
≥ 1500	44.5	56.7	59.4	62.6	69.1	69.9	71.1	72.8	73.2	73.6	73.6	73.7	73.7	73.7	73.7	73.7
≥ 1200	46.5	59.0	62.1	65.4	73.6	74.4	75.7	77.4	77.8	78.3	78.3	78.5	78.5	78.5	78.5	78.5
≥ 1000	47.2	60.4	63.5	66.8	76.0	76.9	78.6	80.6	81.2	81.8	81.8	81.9	81.9	81.9	81.9	81.9
≥ 900	47.2	60.4	63.5	67.0	76.4	77.4	79.4	81.4	82.0	82.6	82.6	82.7	82.7	82.7	82.7	82.7
≥ 800	48.0	62.2	65.5	69.2	79.3	80.4	82.4	84.4	85.2	85.9	85.9	86.0	86.0	86.0	86.0	86.0
≥ 700	48.3	62.7	66.3	70.4	80.8	82.0	84.4	86.8	87.8	88.5	88.5	89.0	89.0	89.0	89.0	89.0
≥ 600	48.3	62.7	66.3	70.4	81.1	82.0	84.7	87.5	88.5	89.2	89.2	89.7	89.7	89.7	89.7	89.7
≥ 500	49.0	63.5	67.2	71.5	82.3	83.8	86.1	89.0	90.2	91.3	91.3	91.8	91.8	91.8	91.8	91.8
≥ 400	49.0	63.5	67.2	71.5	82.6	84.0	86.4	89.4	90.9	92.7	92.9	93.4	93.4	93.4	93.4	93.4
≥ 300	49.0	63.5	67.2	71.6	82.7	84.1	86.5	89.7	91.5	93.8	94.5	95.4	95.9	96.2	96.3	96.3
≥ 200	49.0	63.5	67.2	71.6	82.7	84.1	86.5	89.7	91.5	93.8	94.7	95.6	96.4	97.1	97.9	98.4
≥ 100	49.0	63.5	67.2	71.6	82.7	84.1	86.5	89.7	91.5	93.8	94.7	95.6	96.4	97.1	98.3	100.0
≥ 0	49.0	63.5	67.2	71.6	82.7	84.1	86.5	89.7	91.5	93.8	94.7	95.6	96.4	97.1	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 757

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATMOSPHERIC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
100STATION NAME
BITBURG AB DLYEARS
73-81MONTH
FEBPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)1800-2000
HOURS (L.M.T.)

CEILING (FEET)	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	¾
NO CEILING	19.1	23.4	24.1	24.9	27.7	27.7	28.6	29.3	29.6	29.8	29.8	29.8	29.8	29.8	29.8	29.8
≥ 20000	23.1	28.0	29.0	30.2	33.5	33.5	34.4	35.2	35.6	35.9	35.9	35.9	35.9	35.9	35.9	35.9
≥ 18000	23.1	28.1	29.2	30.3	33.6	33.8	34.7	35.5	35.9	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 16000	23.1	28.1	29.2	30.3	33.6	33.8	34.7	35.5	35.9	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 14000	23.1	28.1	29.2	30.3	33.6	33.8	34.7	35.5	35.9	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 12000	23.1	28.6	29.7	30.9	34.2	34.6	35.5	36.3	36.7	36.9	36.9	36.9	36.9	36.9	36.9	36.9
≥ 10000	23.6	29.7	30.9	32.3	35.8	36.1	37.1	37.9	38.3	38.5	38.5	38.5	38.5	38.5	38.5	38.5
≥ 9000	24.4	30.7	31.9	33.4	37.2	37.6	38.5	39.3	39.7	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 8000	26.4	32.8	34.2	35.6	39.7	40.1	41.0	42.0	42.3	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 7000	26.5	33.0	34.3	35.8	40.2	40.6	41.6	42.5	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 6000	26.8	33.2	34.6	36.0	40.5	40.9	41.8	42.7	43.1	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 5000	28.7	34.4	35.8	37.2	42.0	42.3	43.3	44.2	44.6	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 4500	28.5	35.2	36.5	38.1	43.0	43.4	44.3	45.3	45.6	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 4000	29.3	36.1	37.5	39.1	43.9	44.3	45.3	46.2	46.6	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 3500	31.4	40.1	41.6	43.1	48.2	48.5	49.5	50.8	51.2	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 3000	33.5	42.7	44.3	46.2	51.3	51.7	52.6	54.0	54.4	54.7	54.9	54.9	54.9	54.9	54.9	54.9
≥ 2500	35.9	45.8	47.4	49.2	54.5	55.3	56.3	57.7	58.0	58.4	58.6	58.6	58.6	58.6	58.6	58.6
≥ 2000	40.4	52.2	54.2	57.0	63.2	64.0	65.6	66.9	67.3	67.7	67.8	67.8	67.8	67.8	67.8	67.8
≥ 1800	41.0	52.9	54.9	58.0	64.4	65.2	66.8	68.1	68.5	68.9	69.0	69.0	69.0	69.0	69.0	69.0
≥ 1500	43.4	56.3	59.0	62.5	70.1	71.0	73.0	74.4	74.9	75.5	75.6	75.6	75.6	75.6	75.6	75.6
≥ 1200	44.2	57.5	60.2	64.5	72.7	74.1	76.4	77.8	78.4	78.9	79.0	79.0	79.0	79.0	79.0	79.0
≥ 1000	44.9	58.7	61.7	66.5	75.3	77.0	79.7	81.4	82.1	82.6	82.7	82.7	82.7	82.7	82.7	82.7
≥ 900	45.0	58.8	61.9	66.6	75.7	77.4	80.2	81.9	82.6	83.1	83.2	83.2	83.2	83.2	83.2	83.2
≥ 800	45.8	60.0	63.1	67.8	77.2	78.9	82.2	84.0	85.0	85.8	85.9	85.9	85.9	85.9	85.9	85.9
≥ 700	46.2	61.1	64.1	69.1	78.5	80.3	83.8	86.5	87.7	88.9	89.1	89.2	89.3	89.3	89.3	89.3
≥ 600	46.2	61.1	64.1	69.1	78.8	80.6	84.2	86.9	88.4	89.6	89.7	89.8	90.0	90.0	90.0	90.0
≥ 500	46.4	61.5	64.6	69.8	79.7	81.5	85.2	88.1	89.6	90.9	91.0	91.2	91.3	91.3	91.3	91.3
≥ 400	46.4	61.5	64.6	69.8	79.8	81.7	85.5	88.5	90.2	91.7	91.8	92.1	92.3	92.3	92.3	92.3
≥ 300	46.4	61.5	64.6	69.8	79.8	81.7	85.8	89.3	91.7	93.9	94.5	94.9	95.1	95.4	95.5	95.5
≥ 200	46.4	61.5	64.6	69.8	79.8	81.7	85.8	89.3	91.8	94.2	95.0	96.0	96.6	97.6	97.8	98.4
≥ 100	46.4	61.5	64.6	69.8	79.8	81.7	85.8	89.3	91.8	94.2	95.1	96.2	96.7	98.3	98.5	100.0
≥ 0	46.4	61.5	64.6	69.8	79.8	81.7	85.8	89.3	91.8	94.2	95.1	96.2	96.7	98.3	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 758

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
1110

STATION NAME
BITBURG AB DL

YEARS
73-81

MONTH
FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

PERIOD
21.0-23.00
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	22.2	26.1	27.0	28.1	31.1	31.1	31.1	31.6	31.6	31.8	31.9	31.9	31.9	32.2	32.2	32.4
≥ 20000	24.5	29.3	32.2	31.3	35.0	35.0	35.0	35.8	36.0	36.0	36.2	36.2	36.2	36.4	36.4	36.7
≥ 18000	24.5	29.3	32.2	31.3	35.0	35.4	35.4	36.2	36.4	36.7	37.0	37.0	37.0	37.2	37.2	37.5
≥ 16000	24.5	29.3	32.2	31.3	35.0	35.4	35.4	36.2	36.4	36.7	37.0	37.0	37.0	37.2	37.2	37.5
≥ 14000	24.5	29.3	32.2	31.3	35.0	35.4	35.4	36.2	36.4	36.7	37.0	37.0	37.0	37.2	37.2	37.5
≥ 12000	24.7	29.7	30.6	31.6	35.5	35.9	35.9	36.7	37.0	37.2	37.5	37.5	37.5	37.8	37.8	38.0
≥ 10000	25.7	31.3	32.2	33.2	37.1	37.5	37.5	38.3	38.8	39.1	39.4	39.4	39.4	39.6	39.6	39.9
≥ 9000	26.3	31.9	32.8	33.9	37.9	38.3	38.3	39.1	39.6	39.9	40.2	40.2	40.2	40.4	40.4	40.7
≥ 8000	27.0	32.7	33.6	34.8	39.1	39.5	39.9	40.7	41.2	41.5	41.8	41.8	41.8	42.0	42.0	42.3
≥ 7000	27.3	33.4	34.3	35.5	39.8	40.3	40.8	41.6	42.2	42.4	42.8	42.8	42.8	43.1	43.1	43.4
≥ 6000	27.4	33.5	34.4	35.6	39.9	40.4	41.0	41.8	42.3	42.6	43.0	43.0	43.0	43.2	43.2	43.5
≥ 5000	27.8	33.9	35.4	36.6	41.4	41.9	42.4	43.2	43.8	44.0	44.4	44.4	44.4	44.5	44.8	45.1
≥ 4500	29.7	35.9	37.4	38.6	43.4	43.9	44.4	45.2	45.7	46.0	46.4	46.4	46.4	46.5	46.8	47.1
≥ 4000	31.5	38.0	39.5	40.7	45.5	46.0	46.5	47.3	47.9	48.1	48.5	48.5	48.8	49.1	49.1	49.5
≥ 3500	33.9	41.2	42.8	44.1	49.1	49.6	50.1	50.9	51.5	51.7	52.1	52.1	52.4	52.7	52.7	53.1
≥ 3000	36.4	43.9	45.5	46.9	52.4	52.9	53.5	54.3	54.8	55.1	55.5	55.5	55.7	56.0	56.0	56.4
≥ 2500	38.4	45.9	47.5	48.9	55.2	55.7	56.4	57.2	57.7	58.0	58.4	58.4	58.6	58.9	58.9	59.3
≥ 2000	42.0	50.5	52.5	54.5	61.3	62.0	62.9	63.7	64.2	64.5	64.9	64.9	65.2	65.4	65.4	65.8
≥ 1800	42.4	50.9	52.9	55.1	61.8	62.5	63.4	64.2	64.8	65.0	65.4	65.4	65.7	66.0	66.0	66.4
≥ 1500	44.4	54.3	56.8	59.4	67.3	68.4	69.5	70.7	71.7	71.9	72.3	72.3	72.7	73.3	73.3	73.7
≥ 1200	45.5	56.0	58.6	61.8	70.1	71.3	72.9	74.2	75.1	75.4	75.8	75.8	76.2	76.7	76.7	77.1
≥ 1000	46.7	57.3	60.2	63.7	73.3	74.6	76.2	77.8	79.1	79.4	79.8	79.8	80.2	80.7	80.7	81.1
≥ 900	47.3	58.2	61.2	64.8	75.1	76.5	78.2	79.8	81.3	81.5	81.9	81.9	82.3	82.8	82.8	83.2
≥ 800	47.5	58.5	61.7	65.3	76.3	77.7	79.7	81.5	83.1	83.4	83.8	83.8	84.2	84.7	84.7	85.1
≥ 700	47.5	58.9	62.1	65.7	77.0	78.5	80.7	83.4	85.2	85.6	86.0	86.0	86.4	87.0	87.0	87.4
≥ 600	47.7	59.2	62.4	66.1	77.5	79.1	81.4	84.2	86.2	86.6	87.0	87.0	87.4	87.9	87.9	88.3
≥ 500	47.9	59.8	63.2	66.9	78.9	80.5	83.0	86.2	88.4	89.0	89.4	89.4	89.8	90.4	90.4	90.8
≥ 400	47.9	59.8	63.2	66.9	79.5	81.1	83.8	88.3	90.6	91.1	91.5	91.5	91.9	92.6	92.6	93.0
≥ 300	47.9	59.8	63.2	66.9	79.9	81.5	84.6	89.6	93.0	93.6	94.1	94.1	94.5	95.2	95.2	96.1
≥ 200	47.9	59.8	63.2	66.9	79.9	81.5	84.6	89.6	93.1	93.8	94.5	94.8	95.2	96.1	96.3	97.6
≥ 100	47.9	59.8	63.2	66.9	79.9	81.5	84.6	89.6	93.2	94.1	94.9	95.2	95.9	97.1	97.7	99.7
≥ 0	47.9	59.8	63.2	66.9	79.9	81.5	84.6	89.6	93.2	94.1	94.9	95.2	95.9	97.1	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 752

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 100

STATION NAME PITBURG AB DL

YEAR 73-81

MONTH FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥4	≥0
NO CEILING	15.9	19.7	20.9	22.0	24.4	24.8	25.8	26.7	27.0	27.4	27.6	27.7	27.8	28.0	28.0	28.3
≥ 20000	18.3	22.8	24.2	25.5	28.5	29.0	30.1	31.1	31.4	32.0	32.2	32.3	32.4	32.6	32.7	33.0
IV 18000	18.4	22.9	24.3	25.6	28.6	29.2	30.3	31.3	31.7	32.3	32.5	32.6	32.7	32.9	33.0	33.3
IV 16000	18.4	22.9	24.3	25.6	28.6	29.2	30.3	31.3	31.7	32.3	32.5	32.6	32.7	32.9	33.0	33.3
IV 14000	18.4	22.9	24.3	25.6	28.6	29.2	30.3	31.3	31.7	32.3	32.5	32.6	32.7	32.9	33.0	33.3
IV 12000	18.6	23.3	24.7	25.9	29.0	29.7	30.7	31.8	32.2	32.8	32.9	33.0	33.1	33.4	33.5	33.8
IV 10000	19.3	24.2	25.7	27.0	30.1	30.8	31.9	33.0	33.4	34.0	34.2	34.3	34.4	34.6	34.7	35.0
IV 9000	19.8	24.8	26.3	27.6	30.9	31.5	32.6	33.8	34.2	34.8	35.0	35.1	35.2	35.5	35.6	35.9
IV 8000	20.6	25.9	27.4	28.8	32.4	33.1	34.4	35.5	36.0	36.7	36.9	37.0	37.0	37.3	37.4	37.7
IV 7000	20.8	26.2	27.7	29.1	32.8	33.5	34.8	36.0	36.6	37.2	37.4	37.5	37.6	37.8	37.9	38.2
IV 6000	20.9	26.3	27.9	29.2	32.9	33.7	35.0	36.3	36.8	37.4	37.6	37.7	37.8	38.1	38.1	38.5
IV 5000	21.4	26.9	28.6	30.0	33.8	34.6	36.0	37.2	37.7	38.4	38.6	38.7	38.8	39.1	39.2	39.5
IV 4500	22.3	27.9	29.7	31.1	35.2	35.9	37.3	38.6	39.1	39.7	39.9	40.0	40.2	40.5	40.5	40.9
IV 4000	23.6	29.4	31.3	32.9	37.1	37.9	39.3	40.7	41.2	41.9	42.1	42.2	42.4	42.7	42.7	43.1
IV 3500	25.2	31.7	33.7	35.3	39.7	40.5	42.1	43.5	44.1	44.8	45.0	45.1	45.3	45.5	45.6	46.0
IV 3000	27.3	34.3	36.5	38.2	42.9	43.7	45.4	46.8	47.5	48.2	48.4	48.5	48.7	49.0	49.1	49.4
IV 2500	29.4	36.9	39.1	40.9	45.9	46.9	48.7	50.2	50.9	51.6	51.9	52.0	52.2	52.5	52.6	52.9
IV 2000	32.7	41.6	44.2	46.4	52.0	53.1	55.0	56.6	57.3	58.1	58.4	58.5	58.6	58.9	59.0	59.4
IV 800	33.5	42.6	45.2	47.5	53.2	54.3	56.4	58.0	58.7	59.5	59.8	59.9	60.1	60.4	60.5	60.8
IV 500	36.4	46.8	50.0	52.6	59.6	60.9	63.3	65.2	66.1	67.1	67.3	67.4	67.6	68.0	68.1	68.4
IV 1200	38.2	49.5	52.9	55.9	63.7	65.3	67.9	69.8	70.9	71.9	72.1	72.3	72.4	72.8	72.9	73.2
IV 1000	39.4	51.3	55.0	58.3	67.3	69.0	71.9	74.1	75.3	76.4	76.7	76.9	77.0	77.4	77.5	77.8
IV 900	39.7	51.8	55.5	58.9	68.2	69.9	72.9	75.2	76.5	77.6	77.9	78.1	78.2	78.6	78.7	79.0
IV 800	40.4	53.0	56.8	60.4	70.3	72.1	75.4	77.9	79.3	80.6	80.9	81.1	81.2	81.6	81.7	82.0
IV 700	40.8	53.7	57.7	61.4	71.7	73.7	77.2	80.3	81.9	83.3	83.6	83.8	84.0	84.4	84.5	84.8
IV 600	41.1	54.1	58.1	62.0	72.6	74.6	78.4	81.6	83.4	84.8	85.2	85.4	85.6	86.0	86.1	86.4
IV 500	41.4	54.7	58.8	62.9	73.9	76.0	80.1	83.8	85.9	87.5	87.9	88.1	88.4	88.9	89.0	89.3
IV 400	41.5	54.7	58.9	63.0	74.4	76.6	80.9	84.9	87.3	89.3	89.6	89.9	90.2	90.7	90.8	91.1
IV 300	41.5	54.7	58.9	63.1	74.6	76.8	81.3	85.6	88.6	91.1	91.7	92.1	92.6	93.2	93.4	93.8
IV 200	41.5	54.7	58.9	63.1	74.6	76.8	81.3	85.7	88.9	91.7	92.5	93.0	93.8	95.1	95.6	96.9
IV 100	41.5	54.8	59.0	63.2	74.6	76.8	81.4	85.8	89.0	91.9	92.7	93.3	94.2	95.9	97.2	99.9
IV 0	41.5	54.8	59.0	63.2	74.6	76.8	81.4	85.8	89.0	91.9	92.8	93.3	94.2	95.9	97.3	100.0

TOTAL NUMBER OF OBSERVATIONS 6046

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 150 STATION NAME PITBURG AB DL YEARS 73-81 MONTH MAP
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS) 0000-0200 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	23.3	27.7	28.9	29.2	30.3	30.7	31.8	32.3	32.5	32.5	32.5	32.5	32.5	32.5	32.6	32.7
≥ 20000	26.4	32.0	33.1	33.5	34.8	35.2	36.4	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.3	37.4
≥ 18000	27.7	32.6	33.7	34.1	35.4	35.8	37.1	37.7	37.8	37.8	37.8	37.8	37.8	37.8	37.9	38.1
≥ 16000	27.7	32.6	33.7	34.1	35.4	35.8	37.1	37.7	37.8	37.8	37.8	37.8	37.8	37.8	37.9	38.1
≥ 14000	27.7	32.6	33.7	34.1	35.4	35.8	37.1	37.7	37.8	37.8	37.8	37.8	37.8	37.8	37.9	38.1
≥ 12000	27.7	32.6	33.7	34.1	35.4	35.8	37.1	37.7	37.8	37.8	37.8	37.8	37.8	37.8	37.9	38.1
≥ 10000	27.7	33.3	34.5	35.3	36.9	37.6	38.9	39.6	39.9	39.9	39.9	39.9	39.9	39.9	40.0	40.2
≥ 9000	28.1	34.1	35.2	36.2	37.8	38.6	39.9	40.5	40.9	40.9	40.9	40.9	40.9	40.9	41.0	41.2
≥ 8000	28.9	34.8	35.9	36.9	38.8	39.6	40.9	41.7	42.3	42.3	42.3	42.3	42.3	42.3	42.4	42.5
≥ 7000	29.4	35.7	36.8	38.1	39.9	40.7	42.0	42.8	43.4	43.4	43.4	43.4	43.4	43.4	43.5	43.7
≥ 6000	29.6	35.9	37.1	38.4	40.3	41.0	42.4	43.2	43.8	43.8	43.8	43.8	43.8	43.8	43.9	44.0
≥ 5000	31.7	38.7	39.9	41.3	43.2	43.9	45.3	46.0	46.6	46.6	46.6	46.6	46.6	46.6	46.8	46.9
≥ 4500	34.6	41.7	43.7	44.7	46.6	47.4	48.8	49.5	50.1	50.1	50.1	50.1	50.1	50.1	50.4	50.5
≥ 4000	36.6	44.4	45.9	47.6	49.6	50.6	52.1	53.5	54.1	54.2	54.2	54.2	54.2	54.2	54.5	54.6
≥ 3500	39.3	48.0	49.6	51.5	53.5	54.5	56.0	57.3	58.0	58.1	58.1	58.1	58.1	58.1	58.3	58.5
≥ 3000	41.7	52.2	53.9	56.1	58.2	59.2	60.9	62.3	63.1	63.2	63.2	63.2	63.2	63.2	63.4	63.6
≥ 2500	43.0	54.1	55.8	58.1	60.2	61.2	62.9	64.3	65.0	65.2	65.2	65.2	65.2	65.2	65.4	65.5
≥ 2000	46.0	57.8	59.7	62.2	64.8	65.8	67.7	69.0	69.8	69.9	69.9	69.9	69.9	69.9	70.0	70.3
≥ 1800	46.3	58.1	60.2	62.9	65.8	66.8	68.7	70.0	70.8	70.9	70.9	70.9	70.9	70.9	71.0	71.3
≥ 1500	48.9	61.4	64.1	67.3	71.3	72.4	74.4	76.1	76.9	77.0	77.0	77.0	77.0	77.0	77.1	77.4
≥ 1200	50.7	63.8	66.7	70.3	74.8	75.9	77.9	79.7	80.5	80.6	80.6	80.6	80.6	80.6	80.8	81.0
≥ 1000	52.1	65.5	69.2	73.0	77.9	79.1	81.1	83.3	84.1	84.2	84.2	84.2	84.2	84.2	84.5	84.6
≥ 900	52.4	65.8	69.5	73.4	78.2	79.5	81.5	83.7	84.5	84.6	84.6	84.6	84.6	84.6	84.8	85.0
≥ 800	53.1	66.5	70.6	74.9	79.9	81.1	83.2	85.4	86.2	86.3	86.3	86.3	86.3	86.3	86.6	86.8
≥ 700	54.4	68.3	72.6	77.2	83.1	84.3	87.1	89.3	90.4	90.8	90.8	90.8	90.8	90.8	91.0	91.3
≥ 600	54.7	68.9	73.3	77.9	83.8	85.2	88.2	90.5	91.7	92.0	92.2	92.3	92.3	92.3	92.5	92.8
≥ 500	55.0	69.4	74.0	78.6	84.8	86.4	89.8	92.4	93.8	94.2	94.3	94.4	94.4	94.4	94.7	94.9
≥ 400	55.0	69.5	74.1	78.7	85.0	86.6	89.9	92.9	94.5	94.9	95.0	95.1	95.1	95.1	95.4	95.6
≥ 300	55.0	69.5	74.1	79.0	85.2	86.8	90.4	93.5	95.3	96.0	96.3	96.5	96.6	96.6	97.0	97.6
≥ 200	55.0	69.5	74.1	79.0	85.2	86.8	90.5	94.0	96.3	97.3	97.5	97.8	98.0	98.0	98.5	99.3
≥ 100	55.7	69.5	74.1	79.0	85.2	86.8	90.5	94.0	96.3	97.3	97.5	98.0	98.3	98.3	98.8	99.5
≥ 0	55.0	69.5	74.1	79.0	85.2	86.8	90.5	94.0	96.3	97.3	97.5	98.0	98.3	98.8	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 804

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 100 PITBURG AB DL

73-81

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (L.S.T.)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	17.7	21.9	22.5	23.4	24.4	24.9	26.5	27.2	27.6	27.7	27.7	27.7	27.9	28.0	28.4	28.5
≥ 20000	20.5	24.9	26.9	27.7	28.7	29.2	31.0	31.7	32.2	32.3	32.3	32.3	32.5	32.6	33.0	33.1
≥ 18000	20.5	24.9	26.9	27.7	28.7	29.2	31.0	31.7	32.2	32.3	32.3	32.3	32.5	32.6	33.0	33.1
≥ 16000	20.5	24.9	26.9	27.7	28.7	29.2	31.0	31.7	32.2	32.3	32.3	32.3	32.5	32.6	33.0	33.1
≥ 14000	20.8	25.1	27.1	28.0	29.0	29.5	31.2	32.0	32.5	32.6	32.6	32.6	32.7	32.8	33.2	33.3
≥ 12000	20.9	25.2	27.2	28.1	29.1	29.6	31.3	32.1	32.6	32.7	32.7	32.7	32.8	33.0	33.3	33.5
≥ 10000	21.1	25.5	27.5	29.0	30.2	30.8	32.6	33.3	34.0	34.1	34.1	34.1	34.2	34.3	34.7	34.8
≥ 8000	21.9	26.4	28.4	29.9	31.1	31.7	33.5	34.2	34.8	35.0	35.0	35.0	35.1	35.2	35.6	35.7
≥ 6000	22.8	28.0	30.0	31.5	32.8	33.6	35.6	36.3	37.2	37.3	37.3	37.3	37.4	37.6	37.9	38.1
≥ 4000	23.1	28.5	30.5	32.0	33.3	34.1	36.1	36.8	37.7	37.8	37.8	37.8	37.9	38.1	38.4	38.6
≥ 3000	23.3	28.6	30.6	32.1	33.5	34.2	36.2	36.9	37.8	37.9	37.9	37.9	38.1	38.2	38.6	38.7
≥ 2000	24.3	30.1	32.2	33.7	35.3	36.1	38.1	38.9	39.8	39.9	39.9	39.9	40.2	40.3	40.7	40.8
≥ 1500	27.1	33.6	36.1	37.9	39.7	40.4	42.4	43.8	44.8	44.9	44.9	44.9	45.1	45.4	45.8	45.9
≥ 1000	28.4	35.6	38.4	40.3	42.0	42.9	44.9	46.3	47.3	47.4	47.4	47.4	47.6	47.9	48.3	48.4
≥ 800	29.9	37.7	41.2	43.2	44.9	45.8	47.8	49.1	50.1	50.2	50.2	50.2	50.5	50.7	51.1	51.2
≥ 600	32.6	41.3	45.1	47.3	49.0	49.9	52.2	53.6	55.0	55.1	55.1	55.1	55.3	55.6	56.0	56.1
≥ 400	34.2	43.0	47.1	49.4	51.7	52.6	55.0	56.5	57.8	58.0	58.0	58.0	58.2	58.5	58.8	59.0
≥ 300	37.3	46.3	50.4	52.7	55.6	56.6	59.2	61.1	62.4	62.6	62.6	62.6	62.8	63.1	63.4	63.6
≥ 200	38.2	47.4	51.5	53.9	56.7	57.7	60.3	62.3	63.7	63.8	63.8	63.8	64.1	64.3	64.7	64.8
≥ 150	41.9	51.6	56.3	59.2	62.2	63.2	66.2	68.2	69.5	69.9	69.9	69.9	70.1	70.4	70.8	70.9
≥ 100	44.8	55.5	60.3	63.6	67.0	68.2	71.3	73.4	74.8	75.2	75.2	75.2	75.5	75.7	76.1	76.2
≥ 80	47.6	58.6	63.9	67.2	70.9	72.0	75.4	77.5	78.9	79.4	79.4	79.4	79.6	79.9	80.2	80.3
≥ 60	47.9	59.0	64.4	67.7	71.5	72.6	76.1	78.4	79.7	80.2	80.2	80.2	80.5	80.7	81.1	81.2
≥ 40	49.4	60.9	66.5	70.0	74.6	75.7	80.0	82.2	83.7	84.3	84.3	84.3	84.6	84.8	85.2	85.3
≥ 30	49.8	61.4	67.0	70.6	75.6	76.9	81.3	83.6	85.3	86.2	86.3	86.3	86.6	86.8	87.2	87.3
≥ 20	49.9	61.7	67.3	70.9	76.2	77.5	82.0	84.2	85.9	86.8	86.9	86.9	87.2	87.4	87.8	87.9
≥ 10	50.0	62.2	68.2	72.1	78.4	79.6	84.3	86.8	88.9	89.8	89.9	89.9	90.2	90.4	90.9	91.2
≥ 5	50.0	62.2	68.2	72.1	78.6	80.0	85.3	88.2	90.5	91.4	91.5	91.5	91.8	92.0	92.5	92.8
≥ 2	50.2	62.4	68.5	72.5	79.5	80.8	86.3	89.2	92.0	93.4	93.9	93.9	94.2	94.5	95.0	95.3
≥ 1	50.2	62.4	68.5	72.5	79.5	80.8	86.3	89.7	92.8	94.4	94.9	94.9	95.3	95.9	97.1	97.8
≥ 0	51.2	62.4	68.5	72.5	79.5	80.8	86.3	89.7	92.9	94.7	95.1	95.1	95.9	96.6	98.3	100.0
≥ 0	50.2	62.4	68.5	72.5	79.5	80.8	86.3	89.7	92.9	94.7	95.1	95.1	95.9	96.6	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 804

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
4100

STATION NAME
BITBURG AB DL

YEARS
73-81

MONTH
MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

3600-0800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	12.6	17.0	18.8	20.0	21.6	22.1	23.4	24.1	24.4	24.4	24.4	24.8	24.8	24.8	25.4	26.0
≥ 20000	14.1	18.9	20.7	22.1	23.8	24.3	25.6	26.6	27.2	27.3	27.5	27.8	27.8	27.8	28.6	29.2
≥ 18000	14.1	18.9	20.7	22.1	23.9	24.4	25.7	26.7	27.3	27.5	27.6	27.9	27.9	27.9	28.7	29.3
≥ 16000	14.1	18.9	20.7	22.1	23.9	24.4	25.7	26.7	27.3	27.5	27.6	27.9	27.9	27.9	28.7	29.3
≥ 14000	14.1	18.9	20.7	22.1	23.9	24.4	25.7	26.7	27.3	27.5	27.6	27.9	27.9	27.9	28.7	29.3
≥ 12000	14.1	18.9	20.7	22.1	23.9	24.4	25.7	26.7	27.3	27.5	27.6	27.9	27.9	27.9	28.7	29.3
≥ 10000	15.8	20.6	22.5	24.0	26.3	26.8	28.2	29.3	29.9	30.0	30.1	30.5	30.5	30.5	31.3	31.9
≥ 9000	15.8	20.6	22.7	24.1	26.5	27.0	28.3	29.4	30.0	30.1	30.3	30.6	30.6	30.6	31.4	32.0
≥ 8000	17.2	22.2	24.3	25.7	28.1	28.6	29.9	31.1	32.0	32.1	32.2	32.6	32.7	32.7	33.5	34.1
≥ 7000	17.4	22.4	24.5	26.0	28.4	28.9	30.3	31.5	32.4	32.5	32.6	33.0	33.1	33.1	33.8	34.4
≥ 6000	17.4	22.4	24.5	26.0	28.4	28.9	30.3	31.5	32.4	32.5	32.6	33.0	33.1	33.1	33.8	34.4
≥ 5000	18.8	23.8	26.1	27.6	30.3	30.8	32.1	33.3	34.2	34.3	34.4	34.8	34.9	34.9	35.7	36.4
≥ 4500	21.4	27.8	30.3	32.0	34.9	35.4	36.9	38.4	39.2	39.3	39.5	39.8	40.0	40.0	40.7	41.4
≥ 4000	22.4	29.4	32.0	33.7	36.6	37.1	38.7	40.2	41.1	41.2	41.3	41.7	41.8	41.8	42.6	43.4
≥ 3500	23.5	30.9	33.6	35.3	38.5	39.0	40.8	42.3	43.1	43.3	43.4	43.8	43.9	43.9	45.0	45.7
≥ 3000	25.9	34.4	37.4	39.3	43.0	43.5	45.7	47.2	48.0	48.2	48.4	48.8	48.9	48.9	50.0	50.7
≥ 2500	27.7	36.5	39.6	41.5	45.7	46.2	48.4	50.1	51.0	51.1	51.3	51.7	51.8	51.8	52.9	53.7
≥ 2000	31.3	40.7	44.2	46.3	51.0	51.5	53.9	56.3	57.5	57.8	58.1	58.5	58.6	58.6	59.7	60.4
≥ 1800	31.6	41.1	44.6	46.7	51.6	52.1	54.5	56.9	58.1	58.5	58.7	59.1	59.2	59.2	60.3	61.0
≥ 1500	34.2	44.7	48.7	51.0	56.3	56.7	59.7	62.5	63.7	64.3	64.7	65.1	65.2	65.3	66.4	67.2
≥ 1200	38.1	49.6	53.7	56.6	62.4	62.9	66.3	69.2	70.6	71.2	71.6	71.9	72.1	72.2	73.3	74.0
≥ 1000	40.3	52.6	57.0	60.2	66.4	66.9	70.7	73.7	75.1	75.9	76.2	76.6	76.7	76.8	77.9	78.7
≥ 900	40.7	53.2	57.8	61.0	67.4	67.9	71.7	74.6	76.1	76.8	77.2	77.6	77.7	77.8	78.9	79.7
≥ 800	42.7	54.8	59.7	62.9	70.0	70.7	74.8	77.9	79.5	80.4	80.8	81.1	81.3	81.4	82.5	83.2
≥ 700	42.6	55.5	61.0	64.6	72.4	73.2	77.6	81.0	82.7	83.6	83.9	84.3	84.4	84.6	85.7	86.4
≥ 600	42.9	55.8	61.3	65.0	73.7	74.5	79.3	82.7	84.4	85.3	85.7	86.0	86.2	86.3	87.4	88.1
≥ 500	42.7	55.8	61.3	65.2	74.6	75.6	80.9	84.8	86.9	87.7	88.1	88.6	88.7	88.8	90.2	91.1
≥ 400	42.9	55.8	61.3	65.2	75.0	76.0	81.4	85.4	87.5	88.4	88.7	89.2	89.3	89.5	90.8	91.7
≥ 300	42.9	55.9	61.4	65.4	75.6	76.6	82.1	86.4	88.7	89.7	90.3	90.8	90.9	91.2	92.6	93.5
≥ 200	42.9	55.9	61.4	65.4	75.6	76.7	82.2	86.6	89.2	90.4	91.2	92.2	92.8	93.3	95.7	97.1
≥ 100	42.9	55.9	61.4	65.4	75.6	76.7	82.4	86.8	89.3	90.9	91.8	92.8	93.4	94.5	97.4	99.9
≥ 0	42.9	55.9	61.4	65.4	75.6	76.7	82.4	86.8	89.5	91.1	91.9	92.9	93.5	94.6	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS 816

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ALB WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
1100

STATION NAME
BITBURG AB DL

YEARS
73-81

MONTH
MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	17.3	13.8	14.4	14.5	17.1	17.9	19.3	20.3	20.8	21.1	21.1	21.1	21.1	21.1	21.2	21.4
≥ 20000	12.7	16.1	16.7	17.0	20.9	21.7	23.3	24.7	25.2	25.9	26.0	26.0	26.0	26.1	26.7	27.1
≥ 18000	12.0	16.1	16.7	17.1	21.0	22.0	23.6	25.0	25.5	26.3	26.4	26.4	26.4	26.5	27.1	27.5
≥ 16000	12.1	16.2	16.8	17.2	21.1	22.1	23.7	25.2	25.6	26.4	26.5	26.5	26.5	26.6	27.2	27.6
≥ 14000	12.1	16.2	16.8	17.2	21.1	22.1	23.7	25.2	25.6	26.4	26.5	26.5	26.5	26.6	27.2	27.6
≥ 12000	12.1	16.2	16.8	17.2	21.2	22.2	23.8	25.3	25.8	26.5	26.6	26.6	26.6	26.7	27.4	27.7
≥ 10000	12.9	17.3	18.1	18.6	23.1	24.1	25.9	27.4	27.8	28.6	28.7	28.7	28.7	28.8	29.4	29.8
≥ 9000	13.3	17.8	18.6	19.2	23.9	24.9	26.7	28.2	28.7	29.4	29.5	29.5	29.5	29.7	30.3	30.6
≥ 8000	14.7	19.2	19.9	20.6	25.8	26.7	28.6	30.4	31.1	31.9	32.0	32.0	32.0	32.5	33.1	33.7
≥ 7000	14.9	19.4	20.1	20.9	26.0	27.0	28.8	30.6	31.4	32.1	32.2	32.2	32.2	32.7	33.3	33.9
≥ 6000	14.9	19.4	20.1	20.9	26.0	27.0	28.8	30.6	31.4	32.1	32.2	32.2	32.2	32.7	33.3	33.9
≥ 5000	15.6	20.3	21.2	22.5	28.1	29.1	31.3	33.2	34.1	34.8	34.9	34.9	34.9	35.4	36.1	36.8
≥ 4500	16.6	21.9	23.0	24.3	30.3	31.3	33.5	35.4	36.3	37.1	37.2	37.2	37.2	37.7	38.5	39.1
≥ 4000	17.9	23.2	24.4	25.9	32.1	33.1	35.4	37.5	38.3	39.2	39.3	39.4	39.4	39.9	40.7	41.3
≥ 3500	18.8	24.3	25.6	27.2	33.8	34.8	37.1	39.3	40.2	41.0	41.1	41.3	41.3	41.8	42.5	43.1
≥ 3000	21.9	28.2	29.7	31.5	38.9	39.9	42.4	45.1	45.9	46.9	47.0	47.1	47.1	47.6	48.4	49.1
≥ 2500	24.2	30.6	32.2	34.4	42.1	43.2	45.8	48.7	49.6	50.5	50.7	50.8	50.8	51.3	52.0	52.7
≥ 2000	27.5	34.7	36.5	38.8	47.1	48.5	51.3	54.2	55.1	56.3	56.4	56.5	56.5	57.0	57.8	58.5
≥ 1800	27.7	35.0	37.0	39.4	48.1	49.5	52.4	55.3	56.2	57.4	57.5	57.6	57.6	58.1	58.9	59.6
≥ 1500	30.4	39.1	41.5	44.6	54.1	55.4	58.6	62.1	63.1	64.8	65.0	65.2	65.2	65.8	66.5	67.3
≥ 1200	31.9	41.5	44.6	48.1	59.0	60.4	63.7	67.6	68.9	70.8	70.9	71.2	71.2	71.8	72.5	73.3
≥ 1000	33.5	43.7	47.1	51.0	63.1	64.6	68.3	72.2	73.4	75.5	75.6	75.8	75.8	76.4	77.2	77.9
≥ 900	33.5	44.1	47.5	51.5	63.7	65.4	69.1	73.0	74.2	76.6	76.7	76.9	76.9	77.5	78.3	79.0
≥ 800	34.2	45.3	48.8	53.1	66.4	68.1	72.0	76.4	77.8	80.1	80.2	80.5	80.5	81.1	81.8	82.5
≥ 700	34.9	46.2	49.8	54.5	68.0	69.8	73.9	78.9	80.5	82.8	82.9	83.2	83.2	83.8	84.5	85.2
≥ 600	35.2	46.6	50.5	55.3	70.2	72.3	76.6	82.1	83.6	86.0	86.1	86.3	86.3	86.9	87.7	88.4
≥ 500	35.2	47.0	50.9	55.7	70.7	72.9	77.9	83.6	85.2	87.9	88.0	88.5	88.5	89.1	89.9	90.6
≥ 400	35.2	47.1	51.0	55.8	71.2	73.4	79.1	85.0	86.8	89.9	90.1	90.6	90.6	91.2	91.9	92.7
≥ 300	35.2	47.1	51.0	55.8	71.4	73.6	79.4	85.8	88.0	91.3	91.7	92.2	92.3	93.3	94.0	94.7
≥ 200	35.2	47.1	51.0	55.8	71.4	73.6	79.4	85.8	88.2	92.1	92.4	92.9	93.3	95.0	96.1	97.4
≥ 100	35.2	47.1	51.0	55.8	71.4	73.6	79.4	85.8	88.3	92.4	92.9	93.4	93.8	95.8	97.6	100.0
≥ 0	35.2	47.1	51.0	55.8	71.4	73.6	79.4	85.8	88.3	92.4	92.9	93.4	93.8	95.8	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 819

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
12100

STATION NAME
BITBURG AB DL

YEARS
73-81

MONTH
MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	11.1 14.8	14.9 20.1	16.1 21.5	17.2 22.8	19.9 26.2	20.3 26.8	20.8 27.8	21.1 28.4	21.2 28.8	21.2 28.8	21.2 28.8	21.2 28.8	21.2 28.8	21.2 28.8	21.4 28.9	21.4 28.9
IV 18000 ≥ 6000	14.9	20.3	21.6	22.9	26.3	26.9	27.9	28.5	28.9	28.9	28.9	28.9	28.9	28.9	29.0	29.0
IV 14000 ≥ 2000	15.2	20.5	21.8	23.2	26.6	27.2	28.2	28.8	29.1	29.1	29.1	29.1	29.1	29.1	29.2	29.2
IV 10000 ≥ 900	15.4	20.8	22.1	23.4	26.8	27.4	28.4	29.0	29.4	29.4	29.4	29.4	29.4	29.4	29.5	29.5
IV 8000 ≥ 700	16.3	22.0	23.5	25.1	28.6	29.2	30.2	30.8	31.2	31.2	31.2	31.2	31.2	31.2	31.3	31.3
IV 6000 ≥ 500	16.6	22.7	24.3	26.0	29.7	30.3	31.3	31.9	32.3	32.3	32.3	32.3	32.3	32.3	32.4	32.4
IV 4500 ≥ 400	17.2	23.7	25.2	27.3	31.1	31.7	32.8	33.6	34.0	34.0	34.1	34.1	34.1	34.1	34.2	34.3
IV 3500 ≥ 300	17.4	24.2	25.7	28.0	31.8	32.4	33.5	34.3	34.7	34.7	34.8	34.8	34.8	34.8	35.0	35.1
IV 2500 ≥ 200	17.5	24.3	25.8	28.4	32.2	32.8	33.9	34.7	35.1	35.1	35.2	35.2	35.2	35.2	35.3	35.4
IV 1800 ≥ 1500	17.6	24.6	26.2	28.8	32.8	33.7	35.1	35.9	36.3	36.3	36.4	36.4	36.4	36.4	36.5	36.7
IV 1200 ≥ 1000	18.1	25.1	26.9	29.6	33.6	34.6	35.9	36.8	37.1	37.1	37.3	37.3	37.3	37.3	37.4	37.5
IV 900 ≥ 800	18.9	26.2	28.2	30.8	35.0	35.9	37.3	38.1	38.5	38.5	38.6	38.6	38.6	38.6	38.7	38.8
IV 700 ≥ 600	21.2	28.9	30.9	33.7	37.9	39.0	40.3	41.1	41.5	41.5	41.6	41.6	41.6	41.6	41.7	41.9
IV 500 ≥ 400	27.1	36.7	39.0	42.4	46.7	47.8	49.4	50.2	50.6	50.6	50.7	50.7	50.7	50.7	50.8	51.0
IV 300 ≥ 200	30.7	40.8	43.4	47.0	51.5	52.7	54.6	55.5	55.8	55.8	55.9	55.9	55.9	55.9	56.1	56.2
IV 100 ≥ 0	35.1	46.5	49.5	53.5	58.7	60.1	62.0	63.0	63.3	63.3	63.5	63.5	63.5	63.5	63.6	63.7
IV 0	36.2	47.7	50.7	54.7	60.1	61.4	63.3	64.3	64.7	64.7	64.8	64.8	64.8	64.8	64.9	65.0
IV 0	42.4	55.3	58.5	63.1	69.5	71.0	73.4	74.9	75.4	75.5	75.6	75.6	75.6	75.6	75.7	75.8
IV 0	44.7	58.0	61.5	66.6	74.3	75.7	78.4	80.0	80.5	80.6	80.7	80.7	80.7	80.7	80.8	80.9
IV 0	46.4	59.7	63.7	69.3	78.0	79.6	82.6	84.3	85.0	85.2	85.3	85.4	85.4	85.4	85.6	85.7
IV 0	46.8	60.2	64.4	70.1	79.4	80.9	84.0	85.7	86.3	86.5	86.7	86.8	86.8	86.8	86.9	87.0
IV 0	47.3	60.8	65.3	71.4	81.3	82.9	86.0	88.0	88.6	88.8	89.0	89.1	89.1	89.1	89.2	89.3
IV 0	47.7	61.3	65.8	72.0	83.5	85.3	89.0	91.5	92.1	92.4	92.5	92.6	92.6	92.6	92.7	92.8
IV 0	47.9	61.9	66.9	73.1	85.0	86.8	91.4	93.9	94.7	95.1	95.3	95.4	95.4	95.4	95.5	95.6
IV 0	48.1	62.0	67.1	73.4	85.7	87.6	92.6	95.1	96.1	96.8	97.1	97.2	97.2	97.2	97.3	97.5
IV 0	48.1	62.0	67.1	73.4	85.8	87.7	92.8	95.6	96.6	97.5	97.7	97.8	97.8	97.8	98.3	98.4
IV 0	48.1	62.0	67.1	73.4	85.8	87.7	92.8	95.6	96.6	97.5	97.9	98.1	98.1	98.1	99.0	99.3
IV 0	48.1	62.0	67.1	73.4	85.8	87.7	92.8	95.6	96.6	97.5	97.9	98.1	98.1	98.1	99.3	99.6
IV 0	48.1	62.0	67.1	73.4	85.8	87.7	92.8	95.6	96.6	97.5	97.9	98.1	98.1	98.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 624

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1-170
STATION

BITBURG AB DL
STATION NAME

73-81
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING ≥ 20000	15.4	17.3	19.8	20.6	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
≥ 18000 ≥ 16000	20.9	26.8	27.5	28.7	30.5	30.6	30.8	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
≥ 14000 ≥ 12000	21.1	27.0	27.7	29.0	30.8	30.9	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥ 10000 ≥ 9000	21.1	27.0	27.7	29.0	30.8	30.9	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥ 8000 ≥ 7000	21.2	27.1	27.9	29.1	30.9	31.0	31.1	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
≥ 6000 ≥ 5000	21.4	27.4	28.1	29.3	31.1	31.2	31.4	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
≥ 4500 ≥ 4000	23.2	29.6	30.3	31.6	33.5	33.7	33.8	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
≥ 3500 ≥ 3000	23.9	30.4	31.2	32.7	34.7	34.9	35.0	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
≥ 2500 ≥ 2000	24.8	31.5	32.4	33.9	35.9	36.2	36.7	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 1800 ≥ 1500	25.2	32.1	33.2	34.6	36.8	37.0	37.5	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
≥ 1200 ≥ 1000	25.3	32.2	33.3	34.7	37.0	37.3	37.8	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
≥ 900 ≥ 800	26.9	33.9	35.1	36.7	39.1	39.3	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 700 ≥ 600	28.2	35.2	36.4	38.1	40.7	40.9	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 500 ≥ 400	29.2	36.4	37.6	39.6	42.1	42.3	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 300 ≥ 200	32.1	40.9	42.1	44.1	46.8	47.0	47.6	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 100 0	36.4	46.8	48.1	50.5	53.3	53.7	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 2500 ≥ 2000	42.6	53.8	55.1	57.5	60.7	61.3	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 1800 ≥ 1500	49.0	61.8	63.7	66.6	70.0	70.6	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 1200 ≥ 1000	50.1	63.3	65.3	68.2	72.3	73.0	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 900 ≥ 800	55.7	70.6	72.7	75.9	81.7	82.6	84.0	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 700 ≥ 600	57.8	73.0	75.8	79.1	85.8	86.9	88.3	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 500 ≥ 400	58.5	73.8	77.0	80.5	87.8	88.9	90.3	91.2	91.6	91.6	91.6	91.6	91.7	91.7	91.7	91.7
≥ 300 ≥ 200	58.9	74.3	77.6	81.1	88.5	89.6	91.1	91.9	92.3	92.3	92.3	92.3	92.4	92.4	92.4	92.4
≥ 100 0	59.6	75.0	79.1	82.6	90.3	91.4	93.4	94.2	94.6	94.8	94.8	94.8	94.9	94.9	94.9	94.9
≥ 2500 ≥ 2000	60.3	76.7	80.5	84.0	91.9	93.0	95.1	96.1	96.9	97.1	97.1	97.1	97.2	97.2	97.2	97.2
≥ 1800 ≥ 1500	60.4	76.8	80.6	84.1	92.2	93.2	95.4	96.6	97.3	97.6	97.6	97.6	97.7	97.7	97.7	97.7
≥ 1200 ≥ 1000	60.6	77.0	80.8	84.4	92.5	93.6	95.8	97.6	98.3	98.7	98.7	98.7	98.8	98.8	98.8	98.8
≥ 900 ≥ 800	60.6	77.0	80.8	84.7	92.8	93.8	96.0	97.8	98.7	99.0	99.0	99.0	99.2	99.2	99.2	99.2
≥ 700 ≥ 600	60.6	77.0	80.8	84.7	92.8	93.8	96.1	97.9	98.8	99.2	99.2	99.2	99.3	99.4	99.4	99.4
≥ 500 ≥ 400	60.6	77.0	80.8	84.7	92.8	93.8	96.1	97.9	98.8	99.4	99.5	99.5	99.6	99.8	99.8	99.8
≥ 300 ≥ 200	60.6	77.0	80.8	84.7	92.8	93.8	96.1	97.9	98.8	99.4	99.5	99.5	99.9	100.0	100.0	100.0
≥ 100 0	60.6	77.0	80.8	84.7	92.8	93.8	96.1	97.9	98.8	99.4	99.5	99.5	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 829

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1:100

BITBURG AB DL

73-81

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	18.3	23.3	24.4	25.2	26.1	26.5	26.8	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
≥ 20000	23.0	29.8	30.9	31.8	33.2	33.7	33.9	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
IN 18000	23.3	30.0	31.1	32.1	33.4	33.9	34.1	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
IN 16000	23.3	30.0	31.1	32.1	33.4	33.9	34.1	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
IN 14000	23.6	30.4	31.5	32.4	33.8	34.3	34.5	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
IN 12000	24.2	31.5	32.6	33.5	35.1	35.6	36.1	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
IN 10000	25.9	33.7	34.7	35.9	37.9	38.4	38.8	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
IN 9000	26.9	34.9	35.9	37.2	39.2	39.7	40.2	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
IN 8000	29.1	37.6	38.8	40.0	42.2	42.7	43.7	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IN 7000	29.8	38.4	39.6	40.9	43.3	43.8	44.8	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
IN 6000	29.8	38.4	39.6	41.0	43.4	43.9	44.9	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
IN 5000	31.1	39.8	41.1	42.6	45.0	45.5	46.4	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
IN 4500	33.9	42.7	44.7	45.5	48.0	48.5	49.5	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IN 4000	35.6	45.6	46.9	48.6	51.3	51.7	52.8	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
IN 3500	38.6	49.8	51.6	53.6	56.3	56.8	58.0	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IN 3000	41.7	53.4	55.5	57.5	62.4	60.9	62.1	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IN 2500	46.1	58.5	61.0	63.4	66.9	67.7	69.0	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IN 2000	51.4	65.5	68.2	70.7	74.8	75.6	77.2	77.7	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IN 1800	52.1	66.2	69.0	71.7	75.8	76.6	78.2	78.6	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IN 1500	55.9	71.5	74.8	77.8	82.8	83.7	85.6	86.1	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IN 1200	56.7	72.3	76.4	80.0	85.4	86.6	88.7	89.3	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IN 1000	56.6	73.2	77.6	81.2	86.9	88.1	90.2	91.0	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IN 900	56.7	73.3	77.8	81.4	87.1	88.4	90.6	91.3	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IN 800	57.7	74.3	78.8	82.5	88.7	90.0	92.2	93.4	93.6	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IN 700	58.3	74.9	79.4	83.1	89.9	91.2	93.4	94.7	95.4	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IN 600	58.4	75.0	79.5	83.2	90.3	91.7	94.1	95.4	96.1	96.5	96.6	96.6	96.7	96.7	96.7	96.7
IN 500	58.5	75.3	79.7	83.6	90.8	92.3	94.7	96.1	97.0	97.3	97.5	97.6	97.7	97.7	97.7	97.7
IN 400	58.7	75.5	80.0	83.8	91.1	92.5	94.9	96.5	97.3	97.8	98.1	98.3	98.4	98.4	98.4	98.4
IN 300	58.7	75.5	80.0	83.8	91.1	92.5	94.9	96.5	97.6	98.1	98.4	98.8	98.9	99.0	99.0	99.0
IN 200	58.7	75.5	80.0	83.8	91.1	92.5	94.9	96.6	97.8	98.3	98.7	99.0	99.2	99.4	99.5	99.5
IN 100	58.7	75.5	80.0	83.8	91.1	92.5	94.9	96.7	97.9	98.6	98.9	99.4	99.5	99.8	100.0	100.0
IN 0	58.7	75.5	80.0	83.8	91.1	92.5	94.9	96.7	97.9	98.6	98.9	99.4	99.5	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 829

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 100 BITBURG AB DL

73-81

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	22.4	27.3	27.9	28.2	30.8	30.9	30.9	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.4
≥ 20000	27.1	32.5	33.1	33.3	36.3	36.8	36.8	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.3
≥ 18000	27.4	32.8	33.5	33.7	36.7	37.1	37.1	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.6
≥ 16000	27.4	32.8	33.5	33.7	36.7	37.1	37.1	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.6
≥ 14000	27.4	32.8	33.5	33.7	36.7	37.1	37.1	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.6
≥ 12000	28.3	33.9	34.9	35.2	38.4	39.0	39.0	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.5
≥ 10000	30.4	36.7	37.6	38.5	41.9	42.6	42.6	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	43.1
≥ 9000	30.9	37.4	38.4	39.2	42.8	43.4	43.4	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.9
≥ 8000	32.0	38.6	39.6	40.5	44.0	44.6	45.0	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.9
≥ 7000	32.5	39.2	40.2	41.2	44.9	45.5	45.9	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.9
≥ 6000	32.8	39.6	40.6	41.6	45.3	45.9	46.2	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.2
≥ 5000	35.1	42.1	43.1	44.0	47.7	48.3	48.7	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7
≥ 4500	39.4	46.9	47.8	49.0	52.6	53.3	53.6	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.6
≥ 4000	41.3	50.2	51.2	52.3	56.1	56.8	57.4	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.4
≥ 3500	44.7	53.8	55.2	56.6	60.4	61.1	61.7	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.7
≥ 3000	46.5	56.8	58.3	59.8	64.0	64.7	65.3	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.3
≥ 2500	49.1	60.8	62.6	64.2	68.4	69.1	69.9	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.1
≥ 2000	54.1	65.9	67.9	69.5	74.8	75.5	76.5	77.6	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.1
≥ 1800	54.7	66.5	68.5	70.2	75.9	76.6	77.6	78.7	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.2
≥ 1600	57.8	70.0	72.0	73.8	79.7	80.4	81.7	82.9	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.5
≥ 1400	59.2	71.8	73.9	76.3	82.2	82.9	84.3	86.1	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.8
≥ 1200	59.9	73.1	75.3	77.7	84.0	84.9	86.5	88.4	89.2	89.2	89.2	89.3	89.3	89.3	89.3	89.4
≥ 1000	60.3	73.7	75.9	78.4	84.7	85.7	87.3	89.4	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.4
≥ 900	61.4	74.9	77.2	79.7	86.5	87.5	89.1	91.1	91.9	91.9	92.0	92.3	92.3	92.3	92.3	92.4
≥ 800	62.1	75.8	78.1	80.8	88.1	89.1	90.7	93.0	94.2	94.2	94.3	94.6	94.6	94.6	94.6	94.7
≥ 700	62.1	75.9	78.4	81.1	88.3	89.3	91.0	93.4	94.6	94.6	94.7	95.0	95.0	95.0	95.0	95.1
≥ 600	62.7	77.0	79.7	82.5	90.2	91.1	92.9	95.2	96.6	96.6	96.7	96.9	96.9	96.9	96.9	97.0
≥ 500	62.7	77.0	79.7	82.7	90.5	91.5	93.6	96.4	97.8	98.2	98.3	98.5	98.6	98.6	98.6	98.8
≥ 400	62.7	77.0	79.7	82.7	90.5	91.5	93.6	96.9	98.4	98.9	99.1	99.5	99.8	99.9	99.9	100.0
≥ 300	62.7	77.0	79.7	82.7	90.5	91.5	93.6	96.9	98.4	98.9	99.1	99.5	99.8	99.9	99.9	100.0
≥ 200	62.7	77.0	79.7	82.7	90.5	91.5	93.6	96.9	98.4	98.9	99.1	99.5	99.8	99.9	99.9	100.0
≥ 100	62.7	77.0	79.7	82.7	90.5	91.5	93.6	96.9	98.4	98.9	99.1	99.5	99.8	99.9	99.9	100.0
≥ 0	62.7	77.0	79.7	82.7	90.5	91.5	93.6	96.9	98.4	98.9	99.1	99.5	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 813

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 130 BITBURG AB OL

73-81

YEAR

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 1/8	≥ 0
NO CEILING	18.4	20.5	21.6	22.3	23.9	24.3	25.1	25.5	25.7	25.8	25.8	25.8	25.8	25.8	26.7	26.2
≥ 18000	19.8	25.1	26.3	27.1	29.3	29.8	30.7	31.3	31.6	31.7	31.7	31.8	31.8	31.8	32.1	32.2
≥ 16000	20.0	25.3	26.5	27.3	29.5	30.0	30.9	31.6	31.8	32.0	32.0	32.0	32.0	32.0	32.3	32.5
≥ 14000	20.1	25.3	26.5	27.3	29.6	30.1	31.0	31.6	31.9	32.0	32.0	32.0	32.1	32.1	32.3	32.5
≥ 12000	20.2	25.5	26.6	27.5	29.7	30.2	31.1	31.7	32.0	32.1	32.1	32.1	32.2	32.2	32.5	32.6
≥ 10000	20.4	25.8	27.0	27.9	30.1	30.7	31.6	32.3	32.5	32.7	32.7	32.7	32.7	32.7	33.0	33.2
≥ 9000	21.6	27.3	28.6	29.7	32.3	32.9	33.9	34.5	34.8	34.9	35.0	35.0	35.0	35.0	35.3	35.5
≥ 8000	22.2	28.0	29.3	30.5	33.2	33.8	34.8	35.4	35.7	35.9	35.9	35.9	35.9	36.0	36.2	36.4
≥ 7000	23.3	29.4	30.8	32.1	34.8	35.5	36.6	37.5	37.9	38.0	38.1	38.1	38.1	38.2	38.5	38.7
≥ 6000	23.7	30.0	31.3	32.7	35.6	36.2	37.4	38.2	38.6	38.8	38.8	38.8	38.9	39.0	39.2	39.4
≥ 5000	23.9	30.1	31.4	32.9	35.8	36.4	37.5	38.4	38.8	39.0	39.0	39.0	39.1	39.2	39.4	39.6
≥ 4500	25.1	31.6	33.1	34.6	37.7	38.3	39.6	40.5	40.9	41.1	41.1	41.1	41.2	41.3	41.5	41.8
≥ 4000	27.4	34.3	35.9	37.6	40.8	41.4	42.7	43.7	44.2	44.3	44.4	44.4	44.4	44.6	44.8	45.0
≥ 3500	28.8	36.4	38.1	39.8	43.1	43.8	45.2	46.2	46.7	46.9	46.9	47.0	47.0	47.1	47.4	47.6
≥ 3000	30.2	39.3	41.2	43.1	46.5	47.2	48.7	49.7	50.2	50.4	50.4	50.5	50.5	50.6	50.9	51.2
≥ 2500	34.2	43.7	45.9	48.0	51.7	52.4	54.0	55.2	55.7	55.9	55.9	56.0	56.1	56.2	56.5	56.7
≥ 2000	37.2	47.3	49.6	52.0	55.9	56.8	58.4	59.7	60.2	60.4	60.5	60.5	60.6	60.7	61.0	61.2
≥ 1800	41.5	52.4	55.7	57.6	62.1	63.0	64.9	66.3	67.0	67.2	67.3	67.3	67.4	67.5	67.8	68.0
≥ 1500	42.1	53.2	55.9	58.5	63.3	64.2	66.2	67.6	68.2	68.4	68.5	68.6	68.6	68.7	69.0	69.3
≥ 1200	45.9	58.1	61.1	64.1	69.7	70.7	73.0	74.7	75.4	75.8	75.9	76.0	76.0	76.2	76.5	76.7
≥ 1000	47.9	60.7	64.1	67.6	73.9	75.0	77.4	79.4	80.1	80.5	80.6	80.7	80.8	80.9	81.2	81.4
≥ 900	49.4	62.6	66.4	70.0	76.9	78.1	80.7	82.7	83.6	84.1	84.1	84.3	84.3	84.5	84.8	85.0
≥ 800	49.7	63.0	66.9	70.6	77.6	78.8	81.5	83.5	84.4	84.9	85.0	85.1	85.1	85.3	85.6	85.8
≥ 700	50.6	64.2	68.3	72.2	79.7	81.0	83.9	86.1	87.0	87.6	87.7	87.9	87.9	88.1	88.4	88.6
≥ 600	51.2	65.0	69.3	73.3	81.5	82.7	85.8	88.3	89.5	90.1	90.2	90.4	90.4	90.6	90.9	91.1
≥ 500	51.4	65.3	69.6	73.7	82.3	83.7	87.0	89.6	90.8	91.4	91.6	91.7	91.8	91.9	92.2	92.5
≥ 400	51.6	65.7	70.2	74.4	83.4	84.8	88.5	91.3	92.7	93.4	93.6	93.8	93.9	94.0	94.4	94.6
≥ 300	51.7	65.8	70.3	74.6	83.7	85.2	89.1	92.1	93.6	94.5	94.7	94.9	95.0	95.2	95.5	95.8
≥ 200	51.7	65.8	70.4	74.7	84.0	85.5	89.5	92.7	94.4	95.4	95.7	96.0	96.1	96.4	96.8	97.1
≥ 100	51.7	65.8	70.4	74.7	84.0	85.5	89.5	93.0	94.8	96.2	96.6	97.0	97.3	98.1	99.0	100.0
≥ 0	51.7	65.8	70.4	74.7	84.0	85.5	89.5	93.0	94.8	96.2	96.6	97.0	97.4	98.1	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 6538

GLOBAL CLIMATOLOGY BRANCH
CRAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 110 BILBURG AB DL

73-81

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 1/8	≥ 1/16
NO CEILING	41.2	45.7	47.0	47.6	49.6	49.7	50.0	50.1	50.3	50.3	50.3	50.3	50.3	50.3	50.4	50.4
≥ 20000	43.7	52.9	52.5	53.1	55.5	55.9	56.3	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.6	56.6
≥ 18000	43.7	50.9	52.5	53.1	55.5	55.9	56.3	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.6	56.6
≥ 16000	43.7	50.9	52.5	53.1	55.5	55.9	56.3	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.6	56.6
≥ 14000	43.7	50.9	52.5	53.1	55.5	55.9	56.3	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.6	56.6
≥ 12000	43.7	51.3	52.9	53.5	55.9	56.3	56.6	56.8	56.9	56.9	56.9	56.9	56.9	56.9	57.0	57.0
≥ 10000	44.4	51.9	53.5	54.1	56.5	56.9	57.3	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.6	57.6
≥ 9000	44.9	52.5	54.1	54.9	57.3	57.6	58.0	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.4	58.4
≥ 8000	46.9	55.4	57.0	57.9	60.5	60.9	61.3	61.5	61.9	62.0	62.0	62.0	62.0	62.0	62.2	62.2
≥ 7000	47.4	56.3	57.9	58.9	61.5	61.9	62.3	62.5	62.9	63.0	63.0	63.0	63.0	63.0	63.2	63.2
≥ 6000	47.9	56.8	58.4	59.4	62.0	62.4	62.8	63.0	63.4	63.5	63.5	63.5	63.5	63.5	63.7	63.7
≥ 5000	49.5	58.6	60.8	61.8	64.4	64.8	65.2	65.4	65.8	65.9	65.9	65.9	65.9	65.9	66.0	66.0
≥ 4500	52.6	62.7	65.7	66.4	69.3	69.7	70.1	70.4	70.8	70.9	70.9	70.9	70.9	70.9	71.1	71.1
≥ 4000	53.7	64.9	67.4	68.8	71.8	72.2	72.6	72.9	73.3	73.4	73.4	73.4	73.4	73.4	73.6	73.6
≥ 3500	56.3	68.0	70.6	71.9	75.1	75.4	75.9	76.3	76.7	76.8	76.8	76.8	76.8	76.8	76.9	76.9
≥ 3000	59.6	71.6	74.2	75.6	78.9	79.3	79.8	80.2	80.6	80.7	80.7	80.7	80.7	80.7	80.8	80.8
≥ 2500	60.3	73.3	75.9	77.3	80.8	81.2	81.7	82.1	82.5	82.6	82.6	82.6	82.6	82.6	82.7	82.7
≥ 2000	62.7	76.8	79.4	80.8	84.3	84.7	85.6	86.0	86.3	86.5	86.5	86.5	86.5	86.5	86.6	86.6
≥ 1800	63.2	77.6	80.3	81.7	85.2	85.6	86.5	86.8	87.2	87.3	87.3	87.3	87.3	87.3	87.5	87.5
≥ 1500	64.2	79.4	82.3	83.7	87.3	87.8	88.8	89.3	89.7	89.8	89.8	89.8	89.8	89.8	90.0	90.0
≥ 1200	64.7	80.1	83.0	84.3	88.0	88.5	89.5	90.0	90.4	90.5	90.5	90.5	90.5	90.5	90.6	90.6
≥ 1000	64.9	81.0	84.3	85.7	89.5	90.0	91.0	91.6	92.0	92.1	92.1	92.1	92.1	92.1	92.2	92.2
≥ 900	64.9	81.0	84.3	86.0	89.7	90.2	91.2	91.9	92.2	92.4	92.4	92.4	92.4	92.4	92.5	92.5
≥ 800	65.7	81.2	84.8	86.7	90.7	91.2	92.2	92.9	93.2	93.4	93.4	93.4	93.4	93.4	93.5	93.5
≥ 700	65.2	81.8	85.7	87.6	91.9	92.4	93.5	94.1	94.9	95.4	95.4	95.4	95.4	95.4	95.5	95.5
≥ 600	65.2	82.0	85.8	87.7	92.0	92.5	93.6	94.5	95.2	95.7	95.7	95.7	95.7	95.7	95.9	95.9
≥ 500	65.2	82.0	85.8	87.7	92.0	92.5	93.7	94.9	95.9	96.4	96.4	96.4	96.4	96.4	96.5	96.5
≥ 400	65.2	82.0	85.8	87.7	92.1	92.7	94.0	95.2	96.4	97.1	97.1	97.1	97.1	97.1	97.2	97.2
≥ 300	65.2	82.0	85.8	87.7	92.1	92.7	94.0	95.4	96.6	98.0	98.1	98.1	98.1	98.1	98.2	98.2
≥ 200	65.2	82.1	86.7	87.8	92.2	93.0	94.2	96.1	97.4	99.1	99.2	99.4	99.5	99.5	99.6	99.6
≥ 100	65.2	82.1	86.7	87.8	92.4	93.1	94.4	96.2	97.5	99.2	99.4	99.5	99.6	100.0	100.0	100.0
≥ 50	65.2	82.1	86.7	87.8	92.4	93.1	94.4	96.2	97.5	99.2	99.4	99.5	99.6	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 798

FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1170 BITBURG AB DL

73-81

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1300-0500
HOURS (L.E.T.)

CEILING (FEET)	VISIBILITY: STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	35.7	40.7	42.1	42.9	45.1	45.3	46.3	47.0	47.0	47.4	47.4	47.5	47.5	47.5	47.5	47.7
≥ 20000	37.5	44.5	45.9	46.9	49.2	49.4	51.1	51.8	51.8	52.3	52.3	52.5	52.5	52.5	52.5	52.6
IV 18000	37.5	44.5	45.9	46.9	49.2	49.4	51.1	51.8	51.8	52.3	52.3	52.5	52.5	52.5	52.5	52.6
IV 16000	37.5	44.5	45.9	46.9	49.2	49.4	51.1	51.8	51.8	52.3	52.3	52.5	52.5	52.5	52.5	52.6
IV 14000	37.5	44.5	45.9	46.9	49.2	49.4	51.1	51.8	51.8	52.3	52.3	52.5	52.5	52.5	52.5	52.6
IV 12000	37.7	44.6	46.1	47.0	49.3	49.6	51.2	52.0	52.0	52.5	52.5	52.6	52.6	52.6	52.6	52.7
IV 10000	38.8	45.9	47.3	48.3	51.6	50.8	52.5	53.2	53.2	53.7	53.7	53.9	53.9	53.9	53.9	54.0
IV 9000	38.9	46.0	47.4	48.4	50.7	50.9	52.6	53.4	53.4	53.9	53.9	54.0	54.0	54.0	54.0	54.1
IV 8000	40.3	48.4	49.8	50.8	53.1	53.4	55.1	55.9	55.9	56.6	56.6	56.8	56.9	56.9	56.9	57.0
IV 7000	40.6	48.9	50.3	51.3	53.7	54.0	55.9	56.6	56.6	57.4	57.4	57.5	57.6	57.6	57.6	57.8
IV 6000	40.3	49.2	50.6	51.6	54.0	54.4	56.3	57.0	57.0	57.8	57.8	57.9	58.0	58.0	58.0	58.2
IV 5000	42.1	50.6	52.5	53.5	56.0	56.4	58.7	59.4	59.5	60.3	60.3	60.4	60.6	60.6	60.6	60.7
IV 4500	44.2	53.0	55.2	56.3	58.9	59.3	61.8	62.6	62.7	63.5	63.5	63.6	63.7	63.8	64.0	64.1
IV 4000	45.6	55.4	58.0	59.0	61.7	62.1	64.6	65.4	65.5	66.2	66.2	66.4	66.5	66.6	66.8	66.9
IV 3500	46.9	57.3	60.3	61.6	64.2	64.6	67.3	68.1	68.3	69.0	69.0	69.2	69.3	69.4	69.5	69.7
IV 3000	49.4	60.3	63.8	65.5	68.4	68.8	71.6	72.6	72.8	73.6	73.6	73.7	73.8	74.0	74.1	74.2
IV 2500	51.1	62.7	66.4	68.0	71.2	71.6	74.3	75.3	75.6	76.4	76.4	76.5	76.6	76.7	76.9	77.0
IV 2000	53.9	66.5	70.4	72.4	75.7	76.1	78.9	79.9	80.2	80.9	80.9	81.0	81.2	81.3	81.4	81.5
IV 1800	54.1	66.9	70.8	72.8	76.1	76.5	79.3	80.3	80.5	81.3	81.3	81.4	81.5	81.7	81.8	81.9
IV 1500	56.1	69.7	73.8	75.9	79.5	80.0	82.9	83.9	84.2	85.0	85.0	85.1	85.2	85.3	85.5	85.6
IV 1200	57.4	72.2	76.4	78.4	82.3	82.9	86.2	87.4	87.6	88.4	88.4	88.5	88.6	88.7	88.9	89.0
IV 1000	57.6	72.9	77.2	79.3	83.3	83.9	87.2	88.6	89.0	89.8	89.8	89.9	90.0	90.1	90.3	90.4
IV 900	57.6	72.9	77.2	79.4	83.7	84.3	87.6	89.0	89.4	90.1	90.1	90.3	90.4	90.5	90.6	90.8
IV 800	57.8	73.6	77.9	80.2	84.7	85.5	88.7	90.3	90.9	91.8	91.8	91.9	92.0	92.2	92.3	92.4
IV 700	58.3	74.6	78.9	81.4	86.0	86.9	90.1	91.7	92.7	93.9	93.9	94.1	94.2	94.3	94.4	94.6
IV 600	58.3	74.6	79.0	81.5	86.2	87.4	90.8	92.3	93.3	94.6	94.6	94.7	94.8	95.1	95.2	95.3
IV 500	58.4	74.7	79.4	81.9	86.6	87.7	91.2	92.9	93.9	95.4	95.4	95.6	95.7	96.1	96.2	96.3
IV 400	58.4	74.7	79.4	81.9	86.7	88.0	91.7	93.6	94.6	96.1	96.1	96.2	96.3	96.7	96.8	97.0
IV 300	58.4	74.7	79.4	81.9	86.7	88.0	91.7	93.7	94.9	96.8	96.8	97.0	97.3	97.7	97.9	98.0
IV 200	58.4	74.7	79.4	81.9	86.7	88.0	91.7	93.7	94.9	97.2	97.5	97.6	98.2	98.6	99.1	99.2
IV 100	58.4	74.7	79.4	81.9	86.7	88.0	91.7	93.7	94.9	97.3	97.6	97.7	98.5	99.0	99.6	99.7
IV 0	58.4	74.7	79.4	81.9	86.7	88.0	91.7	93.7	94.9	97.3	97.6	97.7	98.5	99.0	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS

791

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATMOSPHERIC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 170 BITBURG AB DL

73-81

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1600-0800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	¾
NO CEILING	21.5	28.8	31.4	31.9	35.7	36.1	38.3	39.8	39.6	40.1	40.2	40.2	40.2	40.4	40.9	41.1
≥ 20000	24.2	32.6	35.6	36.1	40.2	40.6	43.1	44.7	44.8	45.0	45.2	45.2	45.2	45.4	45.9	46.2
IN 18000	24.2	32.8	35.7	36.2	40.3	40.7	43.2	44.8	44.9	45.2	45.3	45.3	45.3	45.5	46.0	46.3
IN 16000	24.2	32.8	35.7	36.2	40.3	40.7	43.2	44.8	44.9	45.2	45.3	45.3	45.3	45.5	46.0	46.3
IN 14000	24.2	32.8	35.7	36.2	40.3	40.7	43.2	44.8	44.9	45.2	45.3	45.3	45.3	45.5	46.0	46.3
IN 12000	24.3	32.9	35.9	36.4	40.4	40.8	43.3	44.9	45.0	45.3	45.4	45.4	45.4	45.7	46.2	46.4
IN 10000	25.2	34.1	37.2	37.7	41.8	42.2	44.8	46.4	46.5	46.8	46.9	46.9	46.9	47.1	47.6	47.9
IN 9000	25.2	34.1	37.2	37.7	41.8	42.2	44.8	46.4	46.5	46.8	46.9	46.9	46.9	47.1	47.6	47.9
IN 8000	27.0	36.5	39.7	40.2	44.8	45.3	48.0	49.8	50.0	50.2	50.4	50.4	50.4	50.6	51.5	51.9
IN 7000	27.4	37.3	40.8	41.3	46.0	46.5	49.6	51.4	51.6	51.9	52.0	52.0	52.0	52.2	53.2	53.6
IN 6000	27.5	37.5	40.9	41.4	46.2	46.7	49.9	51.6	51.9	52.1	52.2	52.2	52.2	52.5	53.5	53.8
IN 5000	28.0	38.8	42.8	43.3	48.3	48.9	52.1	53.8	54.1	54.3	54.5	54.5	54.5	54.7	55.7	56.1
IN 4500	29.0	41.1	45.4	45.9	51.2	52.0	55.8	57.6	57.8	58.1	58.2	58.2	58.2	58.4	59.6	59.9
IN 4000	30.6	43.2	47.8	48.3	54.1	54.8	58.8	60.5	60.8	61.0	61.3	61.3	61.3	61.8	62.9	63.4
IN 3500	31.1	44.3	48.9	49.4	55.5	56.2	60.2	62.0	62.3	62.5	62.8	62.8	62.8	63.3	64.4	65.0
IN 3000	33.0	47.0	52.4	52.9	59.1	59.9	64.0	66.1	66.5	66.7	67.0	67.0	67.0	67.5	68.6	69.2
IN 2500	34.2	49.1	54.8	55.5	62.0	63.0	67.2	69.4	69.9	70.1	70.3	70.3	70.3	70.8	72.0	72.6
IN 2000	35.9	51.6	58.1	58.8	66.0	67.0	71.3	73.6	74.1	74.3	74.6	74.6	74.6	75.1	76.2	76.8
IN 1800	36.1	52.1	58.6	59.3	66.5	67.5	71.8	74.1	74.6	74.8	75.1	75.1	75.1	75.6	76.7	77.3
IN 1500	37.7	54.5	61.0	62.2	70.6	71.7	76.3	78.5	79.0	79.4	79.7	79.7	79.7	80.1	81.3	81.9
IN 1200	38.6	56.2	63.3	64.5	73.6	74.8	79.5	82.0	82.5	82.9	83.1	83.1	83.1	83.6	84.7	85.4
IN 1000	38.6	56.7	63.8	65.3	74.4	75.8	80.5	83.1	83.6	84.0	84.2	84.2	84.2	84.7	85.9	86.5
IN 900	38.8	57.3	64.5	66.0	75.6	76.9	81.8	84.4	84.9	85.2	85.5	85.5	85.5	86.0	87.1	87.7
IN 800	39.5	58.1	65.4	66.9	77.2	78.5	83.7	86.6	87.2	87.7	88.0	88.0	88.0	88.5	89.6	90.2
IN 700	39.8	58.7	66.3	67.7	78.5	80.1	85.6	88.7	89.5	90.2	90.4	90.6	90.7	91.2	92.3	92.9
IN 600	39.8	58.7	66.4	67.9	78.7	80.3	86.4	89.6	90.3	91.1	91.3	91.4	91.6	92.1	93.2	93.8
IN 500	40.1	59.1	66.7	68.2	79.0	80.6	86.7	90.2	91.4	92.8	93.1	93.2	93.3	93.9	95.2	95.8
IN 400	40.3	59.3	67.0	68.5	79.4	81.1	87.5	90.9	92.2	93.9	94.2	94.3	94.4	95.2	96.4	97.0
IN 300	40.3	59.3	67.0	68.5	79.4	81.1	87.5	91.1	92.3	94.3	94.5	94.7	94.9	95.8	97.0	97.6
IN 200	40.3	59.3	67.0	68.5	79.4	81.1	87.5	91.1	92.3	94.5	95.0	95.3	95.8	97.0	98.5	99.5
IN 100	40.3	59.3	67.0	68.5	79.4	81.1	87.5	91.1	92.3	94.5	95.0	95.3	95.8	97.0	98.8	100.0
IN 0	40.3	59.3	67.0	68.5	79.4	81.1	87.5	91.1	92.3	94.5	95.0	95.3	95.8	97.0	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 806

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

170
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

APR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/10	≥1/4	≥0
NO CEILING	19.8	26.1	28.2	29.5	34.5	35.2	36.2	36.7	37.0	37.1	37.1	37.1	37.1	37.1	37.1	37.1
≥ 20000	22.7	30.5	32.8	34.5	40.0	40.9	42.3	42.8	43.0	43.1	43.3	43.3	43.3	43.3	43.3	43.4
IN 18000	22.7	30.5	32.8	34.5	40.0	40.9	42.3	42.8	43.0	43.1	43.3	43.3	43.3	43.3	43.3	43.4
IN 6000	22.7	30.5	32.8	34.5	40.0	40.9	42.3	42.8	43.0	43.1	43.3	43.3	43.3	43.3	43.3	43.4
IN 14000	22.7	30.5	32.8	34.5	40.0	40.9	42.3	42.8	43.0	43.1	43.3	43.3	43.3	43.3	43.3	43.4
IN 2000	22.9	30.8	33.0	34.7	40.3	41.2	42.5	43.0	43.3	43.4	43.5	43.5	43.5	43.5	43.6	43.6
IN 10000	24.2	32.8	35.2	37.1	42.8	43.6	45.1	45.6	45.9	46.0	46.1	46.1	46.1	46.1	46.2	46.2
IN 9000	24.5	33.0	35.5	37.3	43.1	44.0	45.5	46.0	46.2	46.4	46.5	46.5	46.5	46.5	46.6	46.6
IN 8000	25.6	34.9	37.3	39.2	45.5	46.4	47.8	48.3	48.6	48.7	48.8	48.8	48.8	48.8	49.1	49.2
IN 7000	26.0	35.2	37.7	39.6	45.9	46.8	48.6	49.1	49.3	49.4	49.6	49.6	49.6	49.6	49.8	49.9
IN 6000	26.3	35.6	38.2	40.0	46.5	47.5	49.2	49.7	49.9	50.1	50.2	50.2	50.2	50.2	50.4	50.6
IN 5000	26.7	36.6	39.4	41.5	48.0	49.1	50.8	51.3	51.5	51.7	51.8	51.8	51.8	51.8	52.0	52.2
IN 4500	27.7	37.9	40.9	43.0	49.8	51.2	53.2	53.6	53.9	54.0	54.1	54.1	54.1	54.1	54.4	54.5
IN 4000	29.3	39.9	43.1	45.2	52.3	53.8	55.9	56.5	57.0	57.4	57.5	57.5	57.5	57.5	57.8	58.0
IN 3500	30.0	41.2	44.6	46.7	53.9	55.4	57.5	58.1	58.6	59.0	59.1	59.1	59.1	59.1	59.5	59.6
IN 3000	32.3	43.9	47.3	49.4	57.4	58.8	61.1	61.7	62.2	62.5	62.7	62.7	62.7	62.7	63.0	63.2
IN 2500	34.0	46.2	49.9	52.3	60.2	61.7	64.0	64.8	65.4	65.9	66.0	66.0	66.0	66.0	66.4	66.5
IN 2000	36.2	49.1	53.0	55.6	64.5	66.0	68.5	69.2	69.8	70.3	70.5	70.5	70.5	70.5	70.8	71.0
IN 1800	36.8	50.6	54.5	57.1	66.3	67.7	70.2	71.0	71.6	72.1	72.2	72.2	72.2	72.2	72.6	72.7
IN 1500	39.7	55.7	60.3	63.2	73.2	75.0	77.8	78.6	79.2	79.9	80.0	80.0	80.0	80.0	80.3	80.5
IN 1200	40.9	57.8	62.7	65.9	76.4	78.2	81.2	82.1	82.7	83.3	83.4	83.4	83.4	83.4	83.8	83.9
IN 1000	42.4	60.4	65.5	69.3	80.2	82.3	85.3	86.2	87.1	87.8	87.9	87.9	87.9	87.9	88.3	88.4
IN 900	42.4	60.4	65.6	69.5	80.5	82.6	85.5	86.4	87.4	88.0	88.1	88.1	88.1	88.1	88.5	88.6
IN 800	43.7	61.7	67.0	71.0	82.1	84.3	87.4	88.5	89.5	90.1	90.2	90.2	90.2	90.2	90.6	90.7
IN 700	43.1	62.2	67.5	71.4	83.2	85.7	88.8	90.4	91.5	92.1	92.2	92.3	92.3	92.5	92.8	93.0
IN 600	43.1	62.3	67.6	71.6	83.3	85.8	88.9	90.5	91.6	92.2	92.3	92.5	92.6	92.6	93.0	93.1
IN 500	43.3	62.4	67.7	71.7	83.6	86.0	89.1	91.1	92.2	93.2	93.3	93.4	93.7	93.7	94.1	94.2
IN 400	43.4	62.5	67.9	71.8	83.9	86.5	90.2	92.5	93.6	94.8	94.9	95.1	95.3	95.3	95.7	95.8
IN 300	43.4	62.5	67.9	71.8	83.9	86.5	90.2	92.5	93.7	96.7	96.4	96.5	96.8	96.9	97.3	97.4
IN 200	43.4	62.5	67.9	71.8	83.9	86.5	90.2	92.5	93.7	96.2	96.5	96.9	97.5	97.8	98.3	99.5
IN 100	43.4	62.5	67.9	71.8	83.9	86.5	90.2	92.5	93.7	96.2	96.5	96.9	97.5	98.0	98.6	100.0
IN 0	43.4	62.5	67.9	71.8	83.9	86.5	90.2	92.5	93.7	96.2	96.5	96.9	97.5	98.0	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 809

2

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

100
STATIONBITBURG AB DL
STATION NAME73-81
YEARSAPR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/10	≥1/8	≥0
NO CEILING	25.8	32.0	33.1	34.2	34.8	34.8	34.8	34.8	34.8	34.8	34.9	34.9	34.9	34.9	34.9	34.9
≥20000	29.5	38.7	39.1	40.4	41.1	41.1	41.1	41.1	41.1	41.1	41.2	41.2	41.2	41.2	41.2	41.2
≥18000	29.5	38.7	39.1	40.4	41.1	41.1	41.1	41.1	41.1	41.1	41.2	41.2	41.2	41.2	41.2	41.2
≥16000	29.5	38.7	39.1	40.4	41.1	41.1	41.1	41.1	41.1	41.1	41.2	41.2	41.2	41.2	41.2	41.2
≥14000	29.5	38.7	39.1	40.4	41.1	41.1	41.1	41.1	41.1	41.1	41.2	41.2	41.2	41.2	41.2	41.2
≥12000	30.0	38.5	39.6	40.9	41.6	41.6	41.6	41.6	41.6	41.6	41.7	41.7	41.7	41.7	41.7	41.7
≥10000	30.6	39.1	40.4	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.5	42.5	42.5	42.5	42.5	42.5
≥9000	31.1	39.9	41.1	42.3	43.2	43.2	43.3	43.3	43.3	43.3	43.5	43.5	43.5	43.5	43.5	43.5
≥8000	32.5	41.6	42.8	44.2	45.1	45.1	45.2	45.2	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3
≥7000	32.8	42.0	43.2	44.6	45.4	45.6	45.7	45.7	45.7	45.7	45.8	45.8	45.8	45.8	45.8	45.8
≥6000	32.8	42.0	43.2	44.6	45.4	45.6	45.9	45.9	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.0
≥5000	34.3	43.7	44.9	46.3	47.2	47.3	47.7	47.7	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8
≥4500	35.9	45.6	46.8	48.1	49.0	49.1	49.5	49.6	49.6	49.6	49.8	49.8	49.8	49.8	49.8	49.8
≥4000	37.9	47.8	49.4	50.7	51.6	51.9	52.3	52.5	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7
≥3500	40.2	50.7	52.5	53.8	54.8	55.1	55.6	55.7	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.9
≥3000	45.9	57.2	59.4	60.9	61.9	62.1	62.6	62.7	62.8	62.8	63.0	63.0	63.0	63.0	63.0	63.0
≥2500	50.1	62.8	65.2	66.7	67.7	67.9	68.5	68.6	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9
≥2000	54.3	69.6	72.6	74.3	75.9	76.3	76.9	77.0	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3
≥1800	55.3	70.6	73.6	75.3	77.0	77.4	78.0	78.1	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4
≥1500	58.3	75.3	78.6	80.9	82.8	83.3	84.3	84.6	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8
≥1200	60.0	78.6	82.3	84.7	86.8	87.3	88.6	89.1	89.5	89.6	89.8	89.8	89.8	89.8	89.8	89.8
≥1000	63.9	80.0	84.0	86.3	89.1	89.6	91.0	91.5	92.2	92.5	92.6	92.6	92.6	92.6	92.6	92.6
≥900	60.9	80.0	84.0	86.3	89.1	89.6	91.0	91.5	92.2	92.5	92.6	92.6	92.6	92.6	92.6	92.6
≥800	61.1	80.2	84.4	86.8	89.9	90.4	91.9	92.6	93.5	93.8	94.0	94.0	94.0	94.0	94.0	94.0
≥700	61.2	80.5	84.9	87.7	91.6	92.1	93.6	94.6	95.7	96.0	96.2	96.2	96.2	96.2	96.2	96.2
≥600	61.5	80.7	85.2	87.9	92.2	92.7	94.2	95.2	96.3	96.8	96.9	96.9	96.9	96.9	96.9	96.9
≥500	61.5	80.7	85.2	88.0	92.5	93.0	94.6	95.7	97.0	97.5	97.7	97.7	97.7	97.7	97.7	97.7
≥400	61.5	80.9	85.3	88.1	92.7	93.2	94.8	95.9	97.4	98.0	98.1	98.1	98.1	98.1	98.1	98.1
≥300	61.5	80.9	85.3	88.1	92.7	93.2	94.8	95.9	97.5	98.3	98.6	98.8	98.9	98.9	98.9	98.9
≥200	61.5	80.9	85.3	88.1	92.7	93.2	94.8	95.9	97.5	98.4	98.9	99.1	99.4	99.8	99.8	99.9
≥100	61.5	80.9	85.3	88.1	92.7	93.2	94.8	95.9	97.5	98.4	98.9	99.1	99.4	99.9	99.9	100.0
≥0	61.5	80.9	85.3	88.1	92.7	93.2	94.8	95.9	97.5	98.4	98.9	99.1	99.4	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 810

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION BITBURG AB DL

73-81

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	28.1	31.2	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
≥ 20000	33.8	39.9	47.1	40.1	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 18000	34.1	47.2	40.5	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 16000	34.1	40.2	40.5	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 14000	34.1	47.2	40.5	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 12000	34.2	40.4	40.6	40.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 10000	35.2	41.5	41.7	41.7	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 9000	35.7	42.2	42.6	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 8000	36.3	43.7	44.2	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 7000	37.2	44.1	44.6	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 6000	37.8	44.7	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 5000	39.8	46.8	47.3	47.3	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 4500	41.9	49.6	50.1	50.1	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 4000	46.8	55.1	55.6	55.7	55.9	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 3500	51.5	60.6	61.1	61.2	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 3000	59.3	69.6	70.1	70.4	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 2500	63.1	75.7	76.2	76.4	76.9	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 2000	66.9	80.6	81.4	81.7	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1800	67.0	81.1	81.9	82.2	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1500	68.8	84.6	85.6	86.3	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1200	70.6	87.4	88.5	89.8	91.4	92.1	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1000	70.7	88.4	89.6	91.0	93.2	94.1	94.2	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 900	70.7	88.5	89.8	91.1	93.6	94.4	94.6	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 800	71.1	89.0	90.5	91.9	94.7	95.6	95.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 700	71.1	89.1	90.7	92.1	95.1	96.0	96.2	97.2	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 600	71.1	89.1	90.9	92.2	95.2	96.2	96.3	97.3	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 500	71.1	89.1	90.9	92.5	95.7	96.7	97.0	98.4	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400	71.1	89.1	90.9	92.5	95.7	96.7	97.0	98.5	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	71.1	89.1	90.9	92.5	95.7	96.7	97.0	98.5	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 200	71.1	89.1	90.9	92.5	95.7	96.7	97.0	98.5	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	71.1	89.1	90.9	92.5	95.7	96.7	97.0	98.5	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	71.1	89.1	90.9	92.5	95.7	96.7	97.0	98.5	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 810

2

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 0100
STATION

BITBURG AB UL

STATION NAME

73-81

YEARS

APR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)1800-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	¾
NO CEILING	34.9	38.0	38.5	39.0	39.1	39.1	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 20000	47.9	47.4	47.9	48.5	48.6	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 18000	41.7	47.8	48.3	48.9	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 16000	41.7	47.8	48.3	48.9	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 14000	41.7	47.9	48.4	49.0	49.1	49.1	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 12000	41.4	48.3	48.8	49.4	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 10000	42.5	49.6	50.1	50.7	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 9000	43.2	50.6	51.2	51.9	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 8000	44.6	52.0	52.6	53.5	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 7000	45.8	53.3	54.0	54.8	54.9	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 6000	46.2	53.7	54.3	55.2	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 5000	48.6	56.3	56.9	57.9	58.1	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 4500	51.9	60.1	60.7	61.7	62.0	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 4000	54.0	63.5	64.4	65.4	65.7	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 3500	57.2	67.5	68.5	69.5	70.0	70.0	70.2	70.2	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 3000	62.7	74.4	75.4	76.7	77.2	77.2	77.5	77.5	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 2500	65.8	78.3	79.4	80.7	81.5	81.6	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 2000	68.9	82.6	84.3	85.8	86.7	86.8	87.0	87.0	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 1800	69.0	83.1	84.8	86.4	87.5	87.7	87.9	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1500	70.0	85.4	87.3	89.3	90.6	90.7	91.1	91.1	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1200	70.5	86.2	88.3	90.4	92.2	92.3	93.0	93.3	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1000	70.5	86.8	89.0	91.1	93.0	93.1	93.7	94.3	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 900	70.5	86.8	89.0	91.1	93.0	93.1	93.7	94.4	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 800	70.7	87.0	89.3	91.4	93.5	93.6	94.3	95.2	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 700	70.7	87.0	89.3	91.4	93.5	93.6	94.8	95.8	96.5	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 600	70.7	87.0	89.5	91.6	94.0	94.2	95.7	96.7	97.4	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 500	70.7	87.0	89.5	91.9	94.2	94.4	96.0	97.2	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 400	70.7	87.0	89.5	91.9	94.2	94.4	96.0	97.2	98.1	99.0	99.1	99.1	99.3	99.3	99.3	99.3
≥ 300	70.7	87.0	89.5	91.9	94.2	94.4	96.0	97.4	98.4	99.4	99.5	99.5	99.6	99.8	99.8	99.8
≥ 200	70.7	87.0	89.5	91.9	94.2	94.4	96.0	97.4	98.4	99.4	99.5	99.5	99.6	99.9	99.9	99.9
≥ 100	70.7	87.0	89.5	91.9	94.2	94.4	96.0	97.4	98.4	99.4	99.5	99.5	99.6	99.9	99.9	100.0
≥ 0	70.7	87.0	89.5	91.9	94.2	94.4	96.0	97.4	98.4	99.4	99.5	99.5	99.6	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 817

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 1130 BITBURG AB DL

73-81

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥3/16	≥¼	≥0
NO CEILING	43.7	46.8	47.6	48.3	49.3	49.3	49.3	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 20000	48.7	54.5	55.4	56.8	57.7	57.7	57.7	57.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9
IV 18000	48.7	54.5	55.4	56.8	57.7	57.7	57.7	57.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9
IV 16000	48.7	54.5	55.4	56.8	57.7	57.7	57.7	57.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9
IV 14000	48.7	54.5	55.4	56.8	57.7	57.7	57.7	57.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9
IV 12000	48.8	55.0	55.9	57.2	58.2	58.2	58.2	58.2	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 10000	49.3	55.9	56.8	58.1	59.1	59.1	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IV 9000	50.2	57.4	58.2	59.6	60.6	60.6	60.6	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 8000	51.3	58.7	59.6	61.2	62.5	62.5	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 7000	52.0	59.5	60.3	62.0	63.2	63.2	63.2	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 6000	52.2	59.7	60.6	62.2	63.6	63.6	63.6	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 5000	54.6	62.2	63.2	64.8	66.3	66.3	66.3	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 4500	58.4	67.3	68.4	70.0	71.6	71.6	71.6	71.6	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 4000	59.4	68.5	69.9	71.6	73.2	73.2	73.5	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 3500	61.2	71.4	72.9	74.7	76.5	76.5	76.7	76.7	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 3000	63.9	74.5	76.0	77.8	79.7	79.8	80.0	80.0	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 2500	66.4	77.4	78.9	81.0	83.0	83.1	83.4	83.4	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 2000	68.6	80.3	82.0	84.6	86.9	87.0	87.2	87.2	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 1800	68.9	80.8	82.7	85.3	87.5	87.6	87.9	88.0	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 1500	69.6	81.7	83.6	86.5	89.2	89.3	89.8	90.3	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 1200	70.1	82.4	84.4	87.4	90.3	90.5	91.1	91.8	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 1000	70.5	83.6	85.7	89.1	92.2	92.3	92.9	93.7	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 900	70.5	83.6	85.7	89.1	92.2	92.3	92.9	93.7	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 800	70.5	83.6	86.0	89.3	92.7	92.8	93.6	94.3	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 700	70.6	83.8	86.1	89.5	93.1	93.2	93.9	94.7	96.0	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 600	70.6	83.8	86.1	89.6	93.2	93.3	94.1	94.8	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 500	70.8	84.0	86.4	89.8	93.7	93.8	94.5	95.7	97.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 400	70.8	84.0	86.4	89.8	93.7	93.8	94.5	96.0	97.5	98.0	98.1	98.1	98.1	98.1	98.1	98.1
IV 300	70.8	84.0	86.4	89.8	93.7	93.8	94.7	96.2	97.6	98.9	99.4	99.4	99.4	99.4	99.4	99.4
IV 200	70.8	84.0	86.4	89.8	93.7	93.8	94.7	96.3	97.8	99.5	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	70.8	84.0	86.4	89.8	93.7	93.8	94.7	96.3	97.8	99.5	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	70.8	84.0	86.4	89.8	93.7	93.8	94.7	96.3	97.8	99.5	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 807

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
1110

STATION NAME
BITBURG AB DL

YEARS
73-81

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY: STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 1/16	≥ 0
NO CEILING	31.0	36.1	37.4	38.1	39.9	40.1	40.7	41.0	41.1	41.2	41.2	41.2	41.2	41.3	41.3	41.4
≥ 20000	35.1	42.3	43.6	44.5	46.6	46.8	47.5	47.9	48.0	48.1	48.1	48.2	48.2	48.2	48.3	48.3
≥ 18000	35.2	42.4	43.8	44.6	46.7	46.9	47.6	48.0	48.1	48.2	48.3	48.3	48.3	48.3	48.4	48.4
≥ 16000	35.2	42.4	43.8	44.6	46.7	46.9	47.6	48.0	48.1	48.2	48.3	48.3	48.3	48.3	48.4	48.4
≥ 14000	35.2	42.4	43.8	44.7	46.7	46.9	47.7	48.0	48.1	48.2	48.3	48.3	48.3	48.3	48.4	48.5
≥ 12000	35.4	42.7	44.1	44.9	47.0	47.2	48.0	48.3	48.4	48.5	48.6	48.6	48.6	48.6	48.7	48.8
≥ 10000	36.3	43.8	45.3	46.2	48.2	48.4	49.2	49.6	49.6	49.8	49.8	49.8	49.8	49.9	49.9	50.0
≥ 9000	36.7	44.4	45.9	46.8	48.9	49.1	49.9	50.3	50.4	50.5	50.5	50.6	50.6	50.6	50.7	50.7
≥ 8000	38.1	46.4	47.9	48.9	51.1	51.4	52.2	52.6	52.7	52.9	52.9	53.0	53.0	53.0	53.2	53.2
≥ 7000	38.6	47.1	48.6	49.6	51.9	52.2	53.1	53.5	53.6	53.8	53.8	53.8	53.8	53.9	54.1	54.1
≥ 6000	38.9	47.4	48.9	49.9	52.3	52.6	53.5	53.9	54.0	54.2	54.2	54.3	54.3	54.3	54.5	54.6
≥ 5000	40.4	49.2	51.0	52.0	54.4	54.8	55.8	56.2	56.3	56.5	56.5	56.5	56.6	56.6	56.8	56.8
≥ 4500	42.7	52.1	54.1	55.2	57.7	58.1	59.3	59.7	59.9	60.0	60.1	60.1	60.1	60.2	60.4	60.4
≥ 4000	44.7	54.8	56.9	58.1	60.8	61.2	62.4	62.9	63.1	63.3	63.3	63.4	63.4	63.5	63.7	63.8
≥ 3500	46.2	57.6	59.9	61.1	63.9	64.3	65.6	66.1	66.3	66.5	66.6	66.6	66.6	66.7	66.9	67.0
≥ 3000	50.8	62.3	64.8	66.1	69.2	69.6	71.0	71.5	71.7	71.9	72.0	72.0	72.0	72.1	72.3	72.4
≥ 2500	53.1	65.7	68.3	69.7	72.9	73.4	74.8	75.3	75.6	75.8	75.9	75.9	75.9	76.0	76.2	76.3
≥ 2000	55.9	69.6	72.7	74.3	77.8	78.3	79.8	80.3	80.6	80.8	80.9	80.9	80.9	81.0	81.2	81.3
≥ 1800	56.3	70.3	73.4	75.0	78.6	79.1	80.6	81.2	81.4	81.6	81.7	81.7	81.7	81.8	82.0	82.1
≥ 1500	58.0	73.3	76.6	78.5	82.6	83.2	84.9	85.5	85.7	86.1	86.2	86.2	86.2	86.3	86.5	86.6
≥ 1200	59.1	75.1	78.6	80.7	85.1	85.8	87.7	88.5	88.9	89.2	89.3	89.3	89.3	89.4	89.6	89.7
≥ 1000	59.5	76.2	79.9	82.1	86.9	87.7	89.5	90.5	91.0	91.3	91.4	91.4	91.4	91.5	91.7	91.8
≥ 900	59.6	76.3	80.0	82.3	87.2	88.0	89.8	90.8	91.4	91.7	91.8	91.8	91.8	91.9	92.1	92.2
≥ 800	59.9	76.8	80.7	83.0	88.2	89.0	90.9	92.1	92.7	93.1	93.2	93.2	93.2	93.3	93.5	93.6
≥ 700	60.0	77.2	81.2	83.6	89.1	90.0	92.1	93.4	94.3	94.8	94.9	95.0	95.0	95.1	95.3	95.4
≥ 600	60.1	77.3	81.3	83.8	89.3	90.3	92.5	93.9	94.8	95.3	95.4	95.5	95.5	95.6	95.8	95.9
≥ 500	60.1	77.4	81.5	84.0	89.7	90.6	92.9	94.5	95.6	96.3	96.4	96.4	96.5	96.6	96.8	96.9
≥ 400	60.2	77.5	81.5	84.0	89.8	90.8	93.2	95.0	96.1	97.1	97.2	97.2	97.3	97.4	97.7	97.8
≥ 300	60.2	77.5	81.5	84.0	89.8	90.8	93.2	95.1	96.3	97.7	97.9	98.0	98.1	98.3	98.5	98.6
≥ 200	60.2	77.5	81.5	84.1	89.8	90.9	93.3	95.2	96.4	98.0	98.3	98.5	98.8	99.1	99.4	99.7
≥ 100	60.2	77.5	81.5	84.1	89.8	90.9	93.3	95.2	96.4	98.0	98.3	98.5	98.8	99.2	99.6	100.0
≥ 0	60.2	77.5	81.5	84.1	89.8	90.9	93.3	95.2	96.4	98.0	98.3	98.5	98.8	99.2	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 6441

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
100

STATION NAME
BITBURG AB DL

73-81

YEAR
MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH
0000-0200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	42.2	48.0	48.5	48.7	49.9	50.3	50.4	50.7	50.7	50.8	50.8	50.8	50.8	50.9	50.9	50.9
≥ 20000	46.9	53.9	54.4	54.7	56.4	56.7	56.9	57.1	57.1	57.2	57.2	57.2	57.2	57.4	57.4	57.4
≥ 18000	46.9	54.1	54.6	54.8	56.5	56.9	57.0	57.2	57.2	57.4	57.4	57.4	57.4	57.5	57.5	57.5
≥ 16000	46.9	54.1	54.6	54.8	56.5	56.9	57.0	57.2	57.2	57.4	57.4	57.4	57.4	57.5	57.5	57.5
≥ 14000	47.7	54.2	54.7	54.9	56.6	57.0	57.1	57.4	57.4	57.5	57.5	57.5	57.5	57.6	57.6	57.6
≥ 12000	47.3	54.6	55.0	55.3	57.0	57.4	57.5	57.7	57.7	57.8	57.8	57.8	57.8	58.0	58.0	58.0
≥ 10000	49.7	57.1	57.6	58.0	59.8	60.1	60.3	60.5	60.5	60.6	60.6	60.6	60.6	60.8	60.8	60.8
≥ 9000	49.9	58.3	58.8	59.2	61.0	61.4	61.5	61.7	61.7	61.8	61.8	61.8	61.8	62.0	62.0	62.0
≥ 8000	53.8	62.8	63.3	63.7	65.6	66.1	66.2	66.5	66.5	66.6	66.6	66.6	66.6	66.7	66.7	66.7
≥ 7000	54.7	64.2	64.6	65.0	67.0	67.4	67.6	67.8	67.8	67.9	67.9	67.9	67.9	68.0	68.0	68.0
≥ 6000	55.3	64.8	65.2	65.6	67.6	68.0	68.2	68.4	68.4	68.5	68.5	68.5	68.5	68.7	68.7	68.7
≥ 5000	58.6	68.9	69.6	70.0	72.4	72.9	73.0	73.3	73.3	73.4	73.4	73.4	73.4	73.5	73.5	73.5
≥ 4500	62.6	74.0	75.0	75.5	78.0	78.5	78.6	78.9	78.9	79.0	79.0	79.0	79.0	79.1	79.1	79.1
≥ 4000	63.8	75.9	77.0	77.8	80.4	80.9	81.0	81.3	81.3	81.4	81.4	81.4	81.4	81.5	81.5	81.5
≥ 3500	65.7	78.4	79.5	80.2	83.0	83.5	83.6	83.8	83.8	84.0	84.0	84.0	84.0	84.1	84.1	84.1
≥ 3000	66.7	80.2	81.4	82.1	84.9	85.4	85.5	85.8	85.8	85.9	85.9	85.9	85.9	86.0	86.0	86.0
≥ 2500	67.2	80.8	82.1	83.0	85.8	86.3	86.4	86.6	86.6	86.8	86.8	86.8	86.8	86.9	86.9	86.9
≥ 2000	68.5	82.4	83.8	84.7	88.3	88.8	88.9	89.2	89.2	89.3	89.3	89.3	89.3	89.4	89.4	89.4
≥ 1800	68.7	82.5	84.0	84.8	88.6	89.1	89.2	89.4	89.4	89.6	89.6	89.6	89.6	89.7	89.7	89.7
≥ 1500	69.6	83.7	85.4	86.8	90.8	91.3	91.4	91.7	91.7	91.9	91.9	91.9	91.9	92.0	92.0	92.0
≥ 1200	70.2	84.9	86.9	88.3	92.5	93.0	93.2	93.6	93.6	93.7	93.7	93.7	93.7	93.8	93.8	93.8
≥ 1000	71.0	86.1	88.1	89.7	93.9	94.4	94.9	95.6	95.6	95.7	95.7	95.7	95.7	95.9	95.9	95.9
≥ 900	71.1	86.3	88.5	90.0	94.4	94.9	95.4	96.1	96.1	96.2	96.2	96.2	96.2	96.4	96.4	96.4
≥ 800	71.1	86.3	88.6	90.2	94.5	95.0	95.5	96.2	96.2	96.4	96.4	96.4	96.4	96.5	96.5	96.5
≥ 700	71.1	86.3	88.6	90.2	94.9	95.5	96.0	96.7	96.7	96.8	96.8	96.8	96.8	97.0	97.0	97.0
≥ 600	71.1	86.5	88.8	90.4	95.4	96.0	96.6	97.6	97.6	97.7	97.7	97.7	97.7	97.8	97.8	97.8
≥ 500	71.1	86.5	88.8	90.5	95.6	96.2	96.8	97.9	98.1	98.2	98.2	98.2	98.2	98.3	98.3	98.3
≥ 400	71.1	86.5	88.8	90.9	96.0	96.6	97.3	98.4	98.5	98.7	98.7	98.7	98.7	98.8	98.8	98.8
≥ 300	71.1	86.5	88.9	91.0	96.1	96.7	97.6	98.8	99.0	99.3	99.3	99.3	99.3	99.4	99.4	99.4
≥ 200	71.1	86.5	88.9	91.0	96.1	96.7	97.6	99.0	99.3	99.6	99.6	99.6	99.6	99.8	99.9	99.9
≥ 100	71.1	86.5	88.9	91.0	96.1	96.7	97.6	99.0	99.3	99.6	99.6	99.6	99.6	99.9	100.0	100.0
≥ 0	71.1	86.5	88.9	91.0	96.1	96.7	97.6	99.0	99.3	99.6	99.6	99.6	99.6	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 823

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
100

STATION NAME
BITBURG AB DL

YEARS
73-81

MONTH
MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

3300-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	35.3	41.7	43.6	44.0	46.1	46.1	46.9	47.0	47.3	47.5	47.5	47.5	47.6	47.8	47.9	48.0
≥ 20000	38.7	45.9	48.0	48.4	51.0	51.0	51.9	52.0	52.2	52.5	52.5	52.5	52.6	52.7	52.8	53.0
≥ 18000	38.8	46.1	48.1	48.5	51.2	51.2	52.0	52.1	52.4	52.6	52.6	52.6	52.7	52.8	53.0	53.1
≥ 16000	38.8	46.1	48.1	48.5	51.2	51.2	52.0	52.1	52.4	52.6	52.6	52.6	52.7	52.8	53.0	53.1
≥ 14000	38.8	46.1	48.1	48.5	51.2	51.2	52.0	52.1	52.4	52.6	52.6	52.6	52.7	52.8	53.0	53.1
≥ 12000	39.3	46.5	48.6	49.0	51.6	51.6	52.7	52.8	53.1	53.3	53.3	53.3	53.5	53.6	53.7	53.8
≥ 10000	42.2	49.6	51.8	52.1	55.0	55.0	56.1	56.2	56.5	56.7	56.7	56.7	56.8	57.0	57.1	57.2
≥ 9000	42.2	49.8	52.1	52.5	55.4	55.4	56.5	56.6	56.8	57.1	57.1	57.1	57.2	57.3	57.5	57.6
≥ 8000	44.5	52.6	55.3	55.6	58.9	58.9	60.1	60.2	60.5	60.7	60.7	60.7	60.8	61.0	61.1	61.2
≥ 7000	44.6	52.8	55.8	56.2	59.5	59.5	60.7	60.8	61.1	61.3	61.3	61.3	61.5	61.6	61.7	61.8
≥ 6000	45.0	53.3	56.2	56.7	60.1	60.1	61.3	61.5	61.7	61.9	61.9	61.9	62.1	62.2	62.3	62.4
≥ 5000	47.8	56.2	59.5	60.0	63.5	63.5	65.0	65.1	65.3	65.6	65.7	65.7	65.8	65.9	66.1	66.2
≥ 4500	51.4	59.6	63.3	63.9	67.9	67.9	69.5	69.6	69.8	70.1	70.2	70.2	70.3	70.4	70.5	70.7
≥ 4000	52.4	62.3	66.2	66.9	71.0	71.2	72.7	72.8	73.1	73.3	73.5	73.5	73.6	73.7	73.8	73.9
≥ 3500	54.8	64.7	68.7	69.5	73.6	73.7	75.3	75.4	75.6	75.9	76.0	76.0	76.1	76.2	76.4	76.5
≥ 3000	56.5	67.3	71.3	72.2	76.5	76.6	78.2	78.4	78.7	78.9	79.0	79.0	79.2	79.3	79.4	79.5
≥ 2500	57.5	68.6	72.6	73.6	77.9	78.1	79.8	80.0	80.2	80.5	80.6	80.6	80.7	80.8	81.0	81.1
≥ 2000	58.5	70.1	74.2	75.2	79.9	80.0	81.7	81.9	82.2	82.4	82.5	82.5	82.7	82.8	82.9	83.0
≥ 1800	58.7	70.4	74.7	75.6	80.5	80.6	82.3	82.5	82.8	83.0	83.2	83.2	83.3	83.4	83.5	83.6
≥ 1500	60.0	72.8	77.1	78.1	83.4	83.5	85.5	85.9	86.2	86.4	86.5	86.5	86.7	86.8	86.9	87.0
≥ 1200	61.5	74.8	79.0	80.1	85.8	86.1	88.1	88.6	88.8	89.1	89.2	89.2	89.3	89.5	89.6	89.7
≥ 1000	62.3	75.8	80.0	81.2	87.3	87.6	89.7	90.3	90.5	90.8	90.9	90.9	91.0	91.2	91.3	91.4
≥ 900	62.3	75.8	80.0	81.2	87.3	87.6	89.7	90.3	90.5	90.8	90.9	90.9	91.0	91.2	91.3	91.4
≥ 800	62.7	76.4	80.7	82.1	88.1	88.5	90.7	91.3	91.5	91.8	91.9	91.9	92.0	92.1	92.2	92.4
≥ 700	62.8	76.6	81.0	82.3	88.6	89.0	91.3	91.9	92.2	92.5	92.6	92.6	92.7	92.8	93.0	93.1
≥ 600	62.8	76.8	81.2	82.8	89.2	89.6	92.2	92.8	93.2	93.5	93.6	93.6	93.7	93.8	93.9	94.1
≥ 500	62.9	77.2	81.8	83.4	90.2	90.5	93.2	93.8	94.2	94.4	94.5	94.5	94.7	94.8	94.9	95.0
≥ 400	62.9	77.3	81.9	84.1	91.3	91.6	94.7	95.3	95.8	96.0	96.1	96.1	96.2	96.4	96.5	96.8
≥ 300	63.0	77.7	82.3	84.5	91.6	92.0	95.0	95.9	96.6	96.8	97.0	97.0	97.1	97.2	97.3	97.7
≥ 200	63.0	77.7	82.3	84.5	91.6	92.0	95.0	96.0	96.7	97.2	97.5	97.5	97.7	97.8	98.3	99.0
≥ 100	63.0	77.7	82.3	84.5	91.6	92.0	95.0	96.0	96.7	97.5	97.8	97.8	98.2	98.7	99.3	100.0
≥ 0	63.0	77.7	82.3	84.5	91.6	92.0	95.0	96.0	96.7	97.5	97.8	97.8	98.2	98.7	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 825

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1010 BITBURG AB DL

73-81

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1600-0800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING ≥ 20000	23.5	29.7	32.7	32.7	35.6	35.6	37.3	37.5	37.5	38.1	38.2	38.2	38.5	39.0	39.1	39.3
≥ 18000 ≥ 16000	25.4	33.7	36.6	37.4	40.5	40.6	42.6	43.0	43.0	44.0	44.1	44.1	44.4	44.8	45.1	45.3
≥ 14000 ≥ 12000	25.5	33.8	36.7	37.5	40.6	40.8	42.7	43.2	43.2	44.1	44.2	44.2	44.5	45.0	45.2	45.4
≥ 10000 ≥ 9000	25.5	33.8	36.7	37.5	40.6	40.8	42.7	43.2	43.2	44.1	44.2	44.2	44.5	45.0	45.2	45.4
≥ 8000 ≥ 7000	25.9	34.3	37.4	38.2	41.6	41.7	43.8	44.2	44.4	45.3	45.4	45.4	45.7	46.3	46.6	46.9
≥ 6000 ≥ 5000	29.3	39.0	42.2	43.0	46.5	46.6	48.7	49.2	49.3	50.2	50.4	50.4	50.6	51.2	51.6	51.8
≥ 4500 ≥ 4000	29.5	39.4	42.7	43.6	47.2	47.4	49.4	49.9	50.0	51.0	51.1	51.1	51.3	51.9	52.3	52.5
≥ 3500 ≥ 3000	31.9	43.0	46.6	47.8	52.3	52.5	54.6	55.2	55.3	56.2	56.4	56.4	56.6	57.2	57.6	57.8
≥ 2500 ≥ 2000	32.1	43.4	47.0	48.2	52.6	52.9	54.9	55.6	55.8	56.8	57.0	57.0	57.2	57.8	58.2	58.4
≥ 1800 ≥ 1500	33.3	44.8	48.4	49.8	54.6	54.8	56.8	57.6	57.7	58.8	58.9	58.9	59.1	59.7	60.1	60.3
≥ 1200 ≥ 1000	35.1	46.8	50.4	52.3	57.3	57.6	59.6	60.3	60.6	61.6	61.8	61.8	62.0	62.7	63.1	63.3
≥ 900 ≥ 800	36.6	48.9	52.8	54.9	60.3	60.6	62.7	63.4	63.7	64.7	64.9	64.9	65.1	65.8	66.2	66.4
≥ 700 ≥ 600	37.5	50.6	54.4	56.6	62.2	62.5	64.6	65.3	65.6	66.7	66.8	66.8	67.0	67.7	68.1	68.3
≥ 500 ≥ 400	38.8	52.8	56.7	59.0	65.1	65.5	67.9	68.7	68.9	70.1	70.3	70.3	70.5	71.2	71.6	71.8
≥ 300 ≥ 200	40.3	54.7	58.8	61.3	67.5	67.9	70.4	71.2	71.5	72.7	72.8	72.8	73.0	73.7	74.1	74.3
≥ 100 ≥ 0	41.6	56.6	61.0	63.5	69.9	70.5	73.1	74.0	74.2	75.4	75.5	75.5	75.8	76.5	76.9	77.1
≥ 100 ≥ 0	42.1	57.2	61.6	64.1	70.5	71.1	73.7	74.6	74.8	76.0	76.1	76.1	76.4	77.1	77.5	77.7
≥ 100 ≥ 0	43.6	59.8	64.7	67.4	74.5	75.1	78.1	79.0	79.3	80.5	80.6	80.6	80.8	81.5	81.9	82.1
≥ 100 ≥ 0	44.3	61.4	66.8	70.0	77.2	77.8	81.4	82.5	82.7	84.1	84.2	84.2	84.4	85.1	85.5	85.7
≥ 100 ≥ 0	45.6	62.5	68.0	71.8	79.9	80.5	84.1	85.4	85.9	87.2	87.3	87.3	87.5	88.2	88.6	88.8
≥ 100 ≥ 0	45.6	62.6	68.1	71.9	80.1	80.7	84.4	85.7	86.2	87.5	87.6	87.6	87.9	88.6	89.0	89.2
≥ 100 ≥ 0	45.8	63.4	69.2	73.0	81.5	82.1	85.9	87.3	87.9	89.3	89.4	89.4	89.7	90.4	90.8	91.0
≥ 100 ≥ 0	46.2	63.8	69.5	73.4	82.0	82.6	86.3	87.8	88.5	89.9	90.0	90.0	90.3	91.0	91.4	91.6
≥ 100 ≥ 0	46.2	63.9	69.8	73.6	83.2	83.9	87.9	89.3	90.2	91.7	91.8	91.8	92.2	92.9	93.3	93.5
≥ 100 ≥ 0	46.5	64.4	70.3	74.1	83.8	84.5	88.5	90.2	91.2	92.8	92.9	92.9	93.3	94.0	94.4	94.6
≥ 100 ≥ 0	46.6	64.6	70.5	74.5	84.4	85.1	89.2	91.0	92.2	94.0	94.1	94.1	94.5	95.2	95.6	96.2
≥ 100 ≥ 0	46.6	64.6	70.5	74.5	84.7	85.4	89.6	91.6	93.2	95.2	95.3	95.3	95.7	96.6	97.1	97.7
≥ 100 ≥ 0	46.6	64.6	70.5	74.5	84.7	85.4	89.6	91.6	93.2	95.4	95.9	96.0	96.4	98.1	99.0	100.0
≥ 100 ≥ 0	46.6	64.6	70.5	74.5	84.7	85.4	89.6	91.6	93.2	95.4	95.9	96.0	96.4	98.1	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 834

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 1170 BITBURG AB DL

73-81

4AY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	29.2	34.3	35.6	37.0	38.5	38.5	38.6	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.8	38.9
≥ 20000	31.5	38.0	39.8	41.2	42.9	42.9	43.1	43.2	43.2	43.4	43.4	43.4	43.4	43.6	43.6	43.7
≥ 18000	31.7	38.1	40.0	41.5	43.1	43.1	43.4	43.5	43.5	43.6	43.6	43.6	43.6	43.8	43.8	44.0
≥ 16000	31.7	38.1	40.0	41.5	43.1	43.1	43.4	43.5	43.5	43.6	43.6	43.6	43.6	43.8	43.8	44.0
≥ 14000	31.8	38.2	40.1	41.6	43.2	43.2	43.5	43.6	43.6	43.7	43.7	43.7	43.7	44.0	44.0	44.1
≥ 12000	32.7	39.9	40.9	42.4	44.4	44.4	44.7	44.8	44.8	44.9	44.9	44.9	44.9	45.2	45.2	45.3
≥ 10000	33.0	40.4	42.4	44.0	46.1	46.1	46.4	46.5	46.5	46.6	46.6	46.6	46.6	46.8	46.8	47.0
≥ 9000	33.5	41.3	43.4	45.0	47.2	47.2	47.4	47.6	47.6	47.7	47.7	47.7	47.7	47.9	47.9	48.0
≥ 8000	36.1	45.0	47.3	49.1	51.7	51.7	52.1	52.2	52.2	52.3	52.3	52.3	52.3	52.6	52.6	52.7
≥ 7000	36.4	45.5	48.0	49.8	52.6	52.7	53.0	53.3	53.3	53.4	53.4	53.4	53.4	53.6	53.6	53.8
≥ 6000	36.8	46.0	48.5	50.3	53.0	53.2	53.5	53.8	53.8	53.9	53.9	53.9	53.9	54.1	54.1	54.2
≥ 5000	37.8	47.2	49.8	51.6	54.7	54.8	55.2	55.4	55.4	55.6	55.6	55.6	55.6	55.8	55.8	55.9
≥ 4500	39.1	49.1	51.9	53.6	57.0	57.1	57.5	57.7	57.7	57.8	57.8	57.8	57.8	58.1	58.1	58.2
≥ 4000	40.5	51.0	53.8	55.8	59.1	59.3	59.7	60.0	60.0	60.1	60.1	60.1	60.1	60.3	60.3	60.5
≥ 3500	41.6	52.3	55.3	57.3	60.9	61.1	61.5	61.8	61.8	61.9	61.9	61.9	61.9	62.1	62.1	62.2
≥ 3000	43.6	55.0	58.1	60.3	64.6	64.9	65.5	65.7	65.8	65.9	65.9	65.9	65.9	66.2	66.2	66.3
≥ 2500	45.2	56.8	60.0	62.5	67.3	67.5	68.1	68.3	68.5	68.6	68.6	68.6	68.6	68.8	68.8	68.9
≥ 2000	49.6	63.0	66.2	68.8	73.8	74.1	74.8	75.0	75.4	75.5	75.5	75.5	75.5	75.7	75.7	75.9
≥ 1800	50.3	64.2	67.4	70.0	75.1	75.4	76.1	76.3	76.7	76.8	76.8	76.8	76.8	77.1	77.1	77.2
≥ 1500	53.3	67.7	71.2	74.6	80.0	80.3	81.1	81.7	82.2	82.4	82.4	82.4	82.4	82.7	82.7	82.8
≥ 1200	54.4	69.7	73.5	77.4	83.4	83.8	84.7	85.4	85.9	86.1	86.1	86.1	86.1	86.4	86.4	86.5
≥ 1000	55.3	71.2	75.3	79.3	86.4	86.9	88.4	89.1	89.6	89.8	89.8	89.8	89.8	90.1	90.1	90.2
≥ 900	55.6	71.7	75.7	79.8	87.0	87.5	89.0	89.7	90.2	90.4	90.4	90.4	90.4	90.7	90.7	90.8
≥ 800	55.8	72.3	76.5	81.2	89.4	90.0	91.8	92.6	93.1	93.3	93.3	93.4	93.4	93.7	93.7	93.8
≥ 700	56.1	72.6	76.9	81.8	90.3	91.0	93.2	94.0	94.5	94.7	94.7	94.9	94.9	95.1	95.1	95.2
≥ 600	56.4	73.0	77.3	82.3	91.2	91.9	94.0	94.9	95.3	95.6	95.6	95.7	95.7	95.9	95.9	96.1
≥ 500	56.6	73.4	77.7	82.8	91.8	92.6	95.1	96.1	96.5	96.8	96.8	96.9	96.9	97.1	97.1	97.3
≥ 400	56.6	73.4	77.7	82.9	91.9	92.8	95.5	96.8	97.4	97.6	97.6	97.7	97.7	98.0	98.0	98.1
≥ 300	56.6	73.4	77.7	82.9	91.9	92.8	95.6	97.0	97.7	98.4	98.4	98.6	98.6	98.8	98.8	98.9
≥ 200	56.6	73.4	77.7	82.9	91.9	92.8	95.6	97.0	97.7	98.6	98.6	98.8	98.8	99.4	99.5	99.8
≥ 100	56.6	73.4	77.7	82.9	91.9	92.8	95.6	97.0	97.7	98.6	98.7	98.9	98.9	99.6	99.8	100.0
≥ 0	56.6	73.4	77.7	82.9	91.9	92.8	95.6	97.0	97.7	98.6	98.7	98.9	98.9	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

100 BITBURG AB DL

73-81

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	34.6	34.6	34.6	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
≥ 20000	36.6	43.2	43.4	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
≥ 18000	36.9	43.8	44.0	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 16000	37.0	44.0	44.1	44.4	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 14000	37.3	44.1	44.2	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 12000	37.2	44.8	44.9	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 10000	39.5	46.2	46.4	46.8	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 9000	39.4	47.7	47.8	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 8000	41.1	50.1	50.2	50.7	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 7000	41.9	51.0	51.1	51.6	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 6000	42.3	51.5	51.6	52.1	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 5000	43.4	52.8	53.0	53.5	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 4500	45.2	55.1	55.3	55.8	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 4000	47.6	58.3	58.7	59.3	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 3500	51.3	62.8	63.3	63.9	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 3000	58.2	69.9	70.5	71.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 2500	63.0	76.1	76.8	77.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 2000	66.7	81.4	82.2	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1800	67.6	82.4	83.4	84.3	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1500	70.3	86.1	87.3	88.5	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1200	71.2	87.8	89.1	90.6	93.2	93.4	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1000	72.2	89.1	90.6	92.0	94.9	95.2	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 900	72.3	89.2	90.7	92.1	95.0	95.3	95.6	95.9	95.9	95.9	95.9	95.9	95.9	96.1	96.1	96.1
≥ 800	72.4	89.5	91.0	92.5	95.3	96.1	96.3	96.8	96.9	96.9	96.9	96.9	96.9	97.0	97.0	97.0
≥ 700	72.4	89.6	91.2	92.8	95.8	96.5	96.8	97.7	97.8	97.8	97.8	97.8	97.8	98.0	98.0	98.0
≥ 600	72.5	89.7	91.3	93.0	95.9	96.7	97.0	98.0	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2
≥ 500	72.9	90.3	92.0	93.7	96.7	97.5	98.0	99.0	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5
≥ 400	72.9	90.3	92.0	93.7	96.7	97.5	98.0	99.0	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6
≥ 300	72.9	90.3	92.0	93.7	96.8	97.6	98.1	99.2	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 200	72.9	90.3	92.0	93.7	96.8	97.6	98.1	99.2	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100	72.9	90.3	92.0	93.7	96.8	97.6	98.1	99.2	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0	72.9	90.3	92.0	93.7	96.8	97.6	98.1	99.2	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 837

AD-A11h 507 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
BITBURG AIR BASE, WEST GERMANY. REVISED UNIFORM SUMMARY OF SURF--ETC(11)
JUN 62

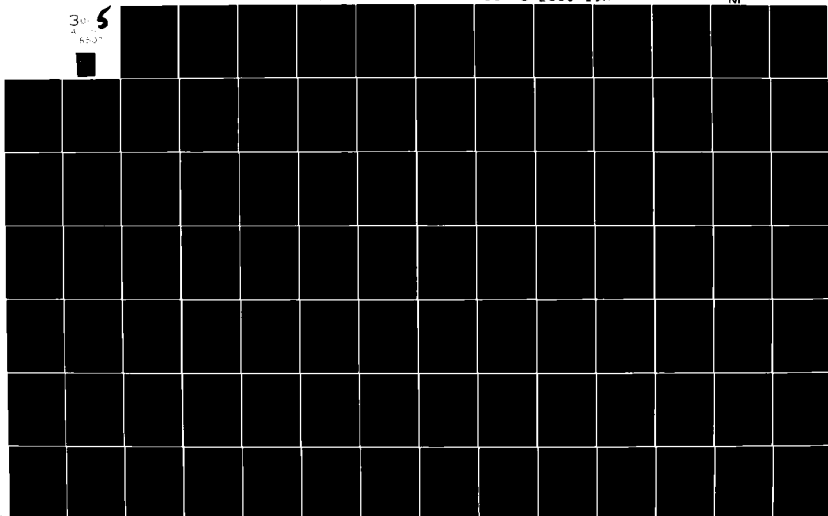
UNCLASSIFIED USAF TAC/DS-H2/039

SBI-AD-E850 19A

NI

30
4
6507

5



GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATMOSPHERIC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
100

STATION NAME
BITBURG AB DL

YEARS
73-81

MONTH
MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥1/16	≥0
NO CEILING	27.5	31.4	31.7	31.8	31.9	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
≥ 20000	36.7	43.7	44.7	44.1	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 18000	36.8	44.2	44.4	44.6	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 16000	36.3	44.2	44.4	44.6	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 14000	36.8	44.3	44.6	44.7	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 12000	37.4	45.0	45.3	45.4	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 10000	40.0	48.0	48.4	48.5	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 9000	41.0	49.0	49.3	49.5	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 8000	43.6	52.6	52.9	53.3	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 7000	43.3	52.8	53.2	53.5	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 6000	44.1	53.3	53.6	54.0	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 5000	45.9	55.3	55.7	56.0	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 4500	48.7	58.9	59.3	59.6	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 4000	53.9	64.5	64.9	65.2	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 3500	57.8	69.1	69.7	70.0	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3000	64.4	77.2	77.9	78.6	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2500	68.9	83.0	83.8	84.6	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 2000	72.8	87.6	88.3	89.2	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1800	73.6	88.6	89.4	90.3	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1500	75.0	90.6	91.3	92.6	94.7	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1200	76.0	91.9	92.7	94.0	96.5	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000	76.2	92.1	93.0	94.3	96.9	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 900	76.5	92.4	93.2	94.5	97.1	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800	76.6	92.6	93.5	95.0	97.8	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	76.7	92.7	93.7	95.1	98.1	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	76.7	92.7	93.7	95.3	98.3	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	76.7	92.7	93.7	95.3	98.4	99.2	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	76.7	92.7	93.7	95.3	98.4	99.2	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	76.7	92.7	93.7	95.3	98.4	99.2	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	76.7	92.7	93.7	95.3	98.4	99.2	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	76.7	92.7	93.7	95.3	98.4	99.2	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	76.7	92.7	93.7	95.3	98.4	99.2	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATMOSPHERIC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

100

BITBURG AB OL

73-81

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	32.9	38.0	38.4	38.5	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥ 25000	47.3	48.1	48.5	48.6	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 18000	47.4	48.4	48.7	48.9	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 15000	47.4	48.4	48.7	48.9	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 14000	40.6	48.6	49.7	49.1	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 12000	41.6	49.7	50.1	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 10000	44.3	52.7	53.0	53.3	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 9000	45.4	54.6	55.1	55.3	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 8000	49.0	59.0	59.5	59.9	60.3	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 7000	49.3	59.4	59.9	60.2	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 6000	50.2	60.8	61.3	61.6	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 5000	53.8	64.4	64.9	65.2	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 4500	57.8	68.7	69.2	69.5	70.0	70.0	70.1	70.1	70.1	70.1	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4000	61.8	73.2	73.8	74.2	74.7	74.7	74.8	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9
≥ 3500	65.1	77.3	78.3	78.6	79.1	79.2	79.3	79.3	79.3	79.3	79.5	79.5	79.5	79.5	79.5	79.5
≥ 3000	69.4	82.9	83.9	84.6	85.3	85.4	85.5	85.5	85.5	85.5	85.7	85.7	85.7	85.7	85.7	85.7
≥ 2500	72.2	86.3	87.3	88.3	89.0	89.1	89.2	89.2	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4
≥ 2000	75.0	89.6	91.0	92.4	93.1	93.2	93.5	93.5	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1800	75.1	89.7	91.2	92.5	93.2	93.3	93.7	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1500	75.4	90.7	92.1	93.5	94.7	94.9	95.2	95.2	95.2	95.3	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1200	76.2	91.8	93.2	94.6	96.2	96.4	97.1	97.1	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000	76.3	92.0	93.5	95.0	96.5	96.9	97.7	97.7	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0
≥ 900	76.3	92.0	93.5	95.0	96.5	96.9	97.7	97.7	97.8	97.8	98.0	98.1	98.1	98.1	98.1	98.1
≥ 800	76.3	92.0	93.7	95.2	96.9	97.4	98.3	98.6	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8
≥ 700	76.5	92.2	93.9	95.5	97.4	97.8	98.8	99.0	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	76.5	92.2	93.9	95.6	97.5	98.1	99.0	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	76.5	92.2	93.9	95.6	97.5	98.1	99.2	99.4	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.8
≥ 400	76.5	92.2	93.9	95.6	97.5	98.1	99.2	99.4	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.8
≥ 300	76.5	92.2	93.9	95.6	97.5	98.1	99.2	99.4	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.8
≥ 200	76.5	92.2	93.9	95.6	97.5	98.1	99.2	99.4	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.8
≥ 100	76.5	92.2	93.9	95.6	97.5	98.1	99.2	99.4	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.8
≥ 0	76.5	92.2	93.9	95.6	97.5	98.1	99.2	99.4	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 837

USAF ETAC FORM 0-14-1 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
14100

STATION NAME
BITBURG AB DL

YEARS
73-81

MONTH
MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)
2100-2300

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	47.6	46.5	47.4	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000	45.9	55.2	56.4	56.5	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 18000	45.9	55.2	56.4	56.5	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 16000	45.9	55.2	56.4	56.5	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 14000	45.9	55.2	56.4	56.5	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 12000	46.9	56.1	57.4	57.6	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 10000	50.0	59.6	60.9	61.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 9000	51.8	61.4	62.8	62.9	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 8000	55.5	65.9	67.4	67.5	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 7000	56.7	66.5	68.0	68.1	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 6000	56.2	67.0	68.5	68.6	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 5000	60.0	70.9	72.3	72.4	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 4500	63.5	74.9	76.6	76.7	77.6	77.6	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 4000	67.1	79.6	81.3	81.4	82.4	82.5	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 3500	69.4	82.4	84.4	84.7	85.6	85.7	86.1	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 3000	71.1	84.7	86.8	87.1	88.0	88.1	88.5	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 2500	71.8	85.5	87.9	88.2	89.2	89.3	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2000	72.8	86.7	89.4	89.8	91.2	91.5	92.1	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1800	72.9	86.8	89.6	89.9	91.4	91.6	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1500	73.7	88.2	91.0	91.6	93.2	93.4	94.1	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1200	73.9	89.3	92.2	92.8	94.6	94.8	96.2	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1000	74.1	89.7	92.6	93.2	95.1	95.7	97.0	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	74.1	89.8	92.7	93.3	95.2	96.0	97.4	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 800	74.2	90.0	92.9	93.5	95.6	96.4	97.7	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 700	74.3	90.3	93.3	94.0	96.2	97.0	98.3	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 600	74.3	90.8	93.8	94.5	96.8	97.6	98.9	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	74.5	90.9	93.9	94.6	97.1	98.0	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	74.5	90.9	93.9	94.6	97.1	98.0	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	74.5	90.9	93.9	94.6	97.1	98.0	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	74.5	90.9	93.9	94.6	97.1	98.0	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	74.5	90.9	93.9	94.6	97.1	98.0	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	74.5	90.9	93.9	94.6	97.1	98.0	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 834

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
6100

STATION NAME
BITBURG AB DL

YEARS
73-81

MONTH
MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/10	≥ ¼	≥ 0
NO CEILING	32.6	38.0	38.9	39.4	40.4	40.4	40.8	40.9	40.9	41.0	41.0	41.0	41.0	41.1	41.2	41.3
≥ 20000	37.7	45.2	46.4	46.8	48.1	48.2	48.6	48.7	48.7	48.9	48.9	48.9	48.9	49.0	49.1	49.2
≥ 18000	37.8	45.4	46.6	47.0	48.3	48.4	48.8	48.9	49.0	49.1	49.2	49.2	49.2	49.2	49.3	49.4
≥ 16000	37.9	45.5	46.6	47.1	48.4	48.4	48.8	48.9	49.0	49.2	49.2	49.2	49.2	49.2	49.3	49.4
≥ 14000	37.9	45.5	46.7	47.1	48.5	48.5	48.9	49.0	49.1	49.2	49.3	49.3	49.3	49.3	49.4	49.5
≥ 12000	38.4	46.2	47.4	47.9	49.3	49.4	49.8	49.9	50.0	50.2	50.2	50.2	50.2	50.2	50.3	50.5
≥ 10000	40.7	49.1	50.3	50.8	52.3	52.4	52.8	52.9	53.0	53.1	53.2	53.2	53.2	53.2	53.3	53.5
≥ 9000	41.6	50.2	51.5	52.0	53.5	53.6	54.0	54.2	54.2	54.4	54.4	54.4	54.4	54.4	54.6	54.7
IV 8000	44.4	53.9	55.3	55.9	57.7	57.8	58.3	58.4	58.5	58.7	58.7	58.7	58.7	58.7	58.9	59.0
IV 7000	44.9	54.4	55.9	56.6	58.4	58.6	59.0	59.2	59.2	59.4	59.5	59.5	59.5	59.5	59.6	59.8
IV 6000	45.2	55.0	56.5	57.1	59.0	59.1	59.6	59.8	59.8	60.0	60.0	60.0	60.0	60.1	60.2	60.3
IV 5000	47.5	57.5	59.1	59.8	61.8	62.0	62.5	62.6	62.7	62.9	62.9	62.9	62.9	63.0	63.1	63.2
IV 4500	50.3	60.9	62.6	63.3	65.5	65.7	66.2	66.4	66.4	66.6	66.7	66.7	66.7	66.7	66.9	67.0
IV 4000	52.9	64.2	66.0	66.9	69.2	69.4	70.0	70.2	70.2	70.4	70.5	70.5	70.5	70.5	70.7	70.8
IV 3500	55.4	67.2	69.2	70.1	72.5	72.6	73.2	73.4	73.5	73.7	73.7	73.7	73.7	73.8	73.9	74.0
IV 3000	58.6	71.2	73.3	74.4	77.1	77.3	78.0	78.2	78.2	78.5	78.5	78.5	78.5	78.5	78.7	78.8
IV 2500	60.7	74.0	76.2	77.4	80.2	80.4	81.1	81.3	81.4	81.6	81.6	81.6	81.6	81.7	81.8	82.0
IV 2000	63.2	77.2	79.5	80.9	84.0	84.2	85.0	85.2	85.3	85.5	85.5	85.5	85.5	85.6	85.7	85.8
IV 1800	63.6	77.7	80.1	81.5	84.6	84.9	85.6	85.8	85.9	86.2	86.2	86.2	86.2	86.3	86.4	86.5
IV 1500	65.1	80.0	82.5	84.1	87.7	88.0	88.9	89.2	89.3	89.6	89.6	89.6	89.6	89.7	89.8	89.9
IV 1200	66.0	81.5	84.2	86.0	89.9	90.3	91.5	91.9	92.0	92.3	92.3	92.3	92.3	92.3	92.5	92.6
IV 1000	66.6	82.3	85.1	87.1	91.4	91.8	93.1	93.6	93.8	94.0	94.1	94.1	94.1	94.1	94.3	94.4
IV 900	66.7	82.5	85.3	87.2	91.6	92.1	93.4	93.9	94.1	94.3	94.4	94.4	94.4	94.4	94.6	94.7
IV 800	66.9	82.8	85.8	87.8	92.4	93.0	94.4	94.9	95.1	95.4	95.5	95.5	95.5	95.5	95.7	95.8
IV 700	67.0	83.0	86.0	88.1	92.9	93.5	95.0	95.6	95.8	96.1	96.2	96.2	96.2	96.2	96.4	96.5
IV 600	67.1	83.2	86.2	88.4	93.4	94.1	95.6	96.4	96.6	96.9	96.9	96.9	97.0	97.0	97.2	97.3
IV 500	67.2	83.5	86.5	88.8	93.9	94.6	96.2	97.0	97.3	97.6	97.7	97.7	97.7	97.8	97.9	98.0
IV 400	67.2	83.5	86.6	89.0	94.2	94.9	96.6	97.4	97.8	98.2	98.2	98.2	98.2	98.3	98.5	98.7
IV 300	67.2	83.6	86.6	89.0	94.3	95.0	96.7	97.7	98.2	98.7	98.7	98.7	98.7	98.8	99.0	99.2
IV 200	67.2	83.6	86.6	89.0	94.3	95.0	96.7	97.7	98.2	98.8	98.9	99.0	99.0	99.1	99.3	99.7
IV 100	67.2	83.6	86.6	89.0	94.3	95.0	96.7	97.7	98.2	98.8	99.0	99.0	99.0	99.1	99.3	99.8
IV 0	67.2	83.6	86.6	89.0	94.3	95.0	96.7	97.7	98.2	98.8	99.0	99.0	99.0	99.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 6664

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1:100
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

JUN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	44.6	49.1	49.5	49.8	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 20000	49.1	54.4	54.8	55.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 18000	49.1	54.4	54.8	55.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 16000	49.1	54.4	54.8	55.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 14000	49.6	54.9	55.3	55.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 12000	50.2	55.6	55.9	56.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 10000	51.7	57.0	57.4	57.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 9000	54.1	59.4	59.8	60.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 8000	57.7	63.3	63.7	64.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 7000	58.4	64.1	64.4	65.1	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 6000	58.4	64.1	64.4	65.2	67.5	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 5000	62.2	68.1	68.5	69.5	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 4500	67.5	73.8	74.3	75.3	77.8	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 4000	71.1	78.0	78.5	79.5	82.7	82.7	83.2	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 3500	72.6	79.6	80.4	81.5	85.2	85.2	85.7	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 3000	74.8	82.0	82.7	84.0	87.8	87.8	88.8	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 2500	75.6	83.0	83.7	84.9	88.9	89.0	90.0	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 2000	77.0	84.6	85.3	86.5	91.1	91.2	92.2	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1800	77.0	84.6	85.3	86.5	91.1	91.2	92.2	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1500	78.0	85.9	86.7	88.0	93.1	93.3	94.3	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1200	78.5	86.7	87.4	88.8	94.1	94.3	95.4	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1000	78.6	86.8	87.5	89.0	94.7	95.1	96.2	96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 900	78.8	86.9	87.7	89.1	94.8	95.2	96.3	96.8	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 800	78.8	87.2	87.9	89.4	95.1	95.4	96.5	97.0	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700	78.8	87.2	87.9	89.4	95.1	95.4	96.5	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 600	79.0	87.5	88.3	90.1	95.8	96.2	97.3	97.9	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 500	79.3	88.1	88.9	90.7	96.5	96.9	98.0	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	79.3	88.1	88.9	90.9	96.8	97.2	98.3	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	79.3	88.1	88.9	90.9	96.9	97.3	98.4	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	79.3	88.1	88.9	90.9	96.9	97.3	98.4	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	79.3	88.1	88.9	90.9	96.9	97.3	98.4	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	79.3	88.1	88.9	90.9	96.9	97.3	98.4	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

0100

BITBURG AB DL

73-81

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0330-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	35.3	47.6	42.8	43.5	46.3	46.7	47.2	47.5	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.9
≥ 20000	37.9	43.5	46.0	46.7	49.8	50.2	50.9	51.2	51.6	51.6	51.7	51.7	51.7	51.7	51.9	52.3
≥ 18000	38.7	43.6	46.2	46.8	49.9	50.4	51.0	51.4	51.7	51.7	51.9	51.9	51.9	51.9	52.0	52.5
≥ 16000	39.0	43.6	46.2	46.8	49.9	50.4	51.0	51.4	51.7	51.7	51.9	51.9	51.9	51.9	52.0	52.5
≥ 14000	38.3	43.8	46.4	47.0	50.1	50.6	51.2	51.6	52.0	52.0	52.1	52.1	52.1	52.1	52.2	52.7
≥ 12000	39.1	44.8	47.4	48.0	51.1	51.6	52.2	52.6	53.0	53.0	53.1	53.1	53.1	53.1	53.2	53.7
≥ 10000	40.5	46.8	49.4	50.1	53.3	54.0	54.6	54.9	55.3	55.3	55.4	55.4	55.4	55.4	55.6	56.0
≥ 9000	41.6	47.9	50.5	51.4	54.9	55.6	56.2	56.7	57.0	57.0	57.2	57.2	57.2	57.2	57.3	57.8
≥ 8000	44.0	50.2	53.1	54.0	57.9	58.5	59.3	60.1	60.5	60.5	60.6	60.6	60.6	60.6	60.7	61.2
≥ 7000	44.6	50.9	53.7	54.6	58.5	59.1	59.9	60.7	61.1	61.1	61.2	61.2	61.2	61.2	61.4	61.9
≥ 6000	44.6	50.9	53.8	54.7	58.8	59.4	60.1	61.0	61.4	61.4	61.5	61.5	61.5	61.5	61.6	62.1
≥ 5000	47.5	54.3	57.5	58.4	62.7	63.3	64.1	64.9	65.3	65.3	65.4	65.4	65.4	65.4	65.6	66.0
≥ 4500	51.2	58.5	61.9	62.7	67.8	68.5	69.9	70.7	71.2	71.4	71.5	71.5	71.5	71.5	71.6	72.1
≥ 4000	54.3	62.3	66.2	67.0	72.2	73.0	74.4	75.3	76.0	76.3	76.4	76.4	76.4	76.4	76.5	77.0
≥ 3500	57.2	65.4	69.6	70.5	75.8	76.5	78.0	78.9	79.6	79.9	80.0	80.0	80.0	80.0	80.1	80.7
≥ 3000	59.1	68.0	72.3	73.5	78.9	79.8	81.4	82.2	83.0	83.2	83.3	83.3	83.3	83.3	83.5	84.1
≥ 2500	60.0	69.1	73.5	74.6	80.0	80.9	82.5	83.5	84.2	84.4	84.6	84.6	84.6	84.6	84.7	85.3
≥ 2000	61.7	70.9	75.3	76.4	82.0	82.8	84.6	85.6	86.3	86.5	86.7	86.7	86.7	86.7	86.8	87.4
≥ 1800	62.1	71.4	75.9	77.2	82.7	83.6	85.3	86.3	87.0	87.3	87.4	87.4	87.4	87.4	87.5	88.1
≥ 1500	63.3	73.0	77.5	79.4	85.6	86.4	88.3	89.4	90.1	90.4	90.5	90.5	90.5	90.5	90.6	91.2
≥ 1200	64.8	74.9	79.5	81.4	87.7	88.5	90.4	91.5	92.6	92.8	93.0	93.0	93.0	93.0	93.1	93.7
≥ 1000	66.0	76.3	80.9	82.7	89.8	90.7	92.6	93.7	94.9	95.2	95.3	95.3	95.3	95.3	95.4	96.0
≥ 900	66.0	76.4	81.0	82.8	89.9	90.9	92.7	93.8	95.1	95.3	95.4	95.4	95.4	95.4	95.6	96.2
≥ 800	66.0	76.5	81.1	83.1	90.1	91.1	93.0	94.1	95.3	95.6	95.7	95.7	95.7	95.7	95.8	96.4
≥ 700	66.0	76.5	81.4	83.3	90.5	91.5	93.3	94.4	95.7	95.9	96.0	96.0	96.0	96.0	96.2	96.8
≥ 600	66.0	76.5	81.4	83.3	91.1	92.1	94.0	95.1	96.3	96.5	96.7	96.7	96.7	96.7	96.8	97.4
≥ 500	66.2	76.8	81.6	83.7	92.5	93.6	95.4	97.0	98.3	98.6	98.8	98.8	98.8	98.8	98.9	99.5
≥ 400	66.2	76.8	81.6	83.7	92.5	93.6	95.4	97.0	98.5	98.9	99.0	99.0	99.0	99.0	99.1	99.8
≥ 300	66.2	76.8	81.6	83.7	92.5	93.6	95.4	97.0	98.5	98.9	99.0	99.0	99.0	99.0	99.1	99.8
≥ 200	66.2	76.8	81.6	83.7	92.5	93.6	95.4	97.0	98.5	98.9	99.0	99.0	99.0	99.0	99.1	99.8
≥ 100	66.2	76.8	81.6	83.7	92.5	93.6	95.4	97.0	98.5	99.0	99.1	99.1	99.1	99.1	99.3	100.0
≥ 0	66.2	76.8	81.6	83.7	92.5	93.6	95.4	97.0	98.5	99.0	99.1	99.1	99.1	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
1100

STATION NAME
BITBURG AB DL

YEARS
73-81

MOUTH
JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY: STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 1/4	≥ 0
NO CEILING	21.4	28.1	31.5	32.5	34.9	35.4	36.8	37.8	38.0	38.3	38.3	38.4	38.4	38.6	38.9	39.3
≥ 20000	23.7	31.1	34.8	36.3	39.1	39.6	41.1	42.1	42.3	42.6	42.6	42.8	42.8	43.1	43.5	44.0
≥ 18000	23.7	31.1	34.8	36.3	39.1	39.6	41.1	42.1	42.3	42.6	42.6	42.8	42.8	43.1	43.5	44.0
≥ 16000	23.7	31.1	34.8	36.3	39.1	39.6	41.1	42.1	42.3	42.6	42.6	42.8	42.8	43.1	43.5	44.0
≥ 14000	23.7	31.1	34.8	36.3	39.1	39.6	41.1	42.1	42.3	42.6	42.6	42.8	42.8	43.1	43.5	44.0
≥ 12000	24.1	31.5	35.3	36.8	39.6	40.1	41.6	42.6	42.8	43.1	43.1	43.3	43.3	43.6	44.0	44.4
≥ 10000	25.7	33.8	37.8	39.4	42.5	43.0	44.7	45.7	45.9	46.2	46.2	46.4	46.4	46.7	47.0	47.5
≥ 9000	26.5	35.1	39.0	40.7	43.8	44.3	46.0	47.2	47.5	47.8	47.8	48.1	48.1	48.4	48.8	49.3
≥ 8000	29.5	38.9	43.3	45.3	49.1	49.9	52.0	53.1	53.7	54.2	54.2	54.7	54.7	54.9	55.3	55.8
≥ 7000	29.8	39.1	43.6	45.7	49.5	50.2	52.3	53.5	54.1	54.6	54.6	55.1	55.1	55.3	55.7	56.2
≥ 6000	29.9	39.4	43.8	45.9	50.2	51.0	53.1	54.2	54.8	55.3	55.3	55.8	55.8	56.0	56.4	56.9
≥ 5000	31.6	41.2	45.7	47.9	52.3	53.1	55.2	56.4	57.0	57.5	57.5	58.0	58.0	58.3	58.6	59.1
≥ 4500	33.7	44.3	49.0	51.4	55.9	56.7	58.8	60.2	61.1	61.7	61.7	62.2	62.2	62.5	62.8	63.3
≥ 4000	34.7	45.6	50.4	53.2	58.3	59.1	61.5	63.2	64.2	64.8	64.8	65.3	65.3	65.6	65.9	66.4
≥ 3500	36.4	48.0	53.0	55.8	61.1	62.0	64.4	66.2	67.2	67.8	67.8	68.3	68.3	68.5	68.9	69.4
≥ 3000	37.7	50.4	55.4	58.6	64.0	65.2	67.9	69.6	70.6	71.2	71.2	71.7	71.7	72.0	72.3	72.8
≥ 2500	39.0	52.0	57.2	60.4	65.9	67.3	70.1	71.9	72.8	73.5	73.5	74.0	74.0	74.2	74.6	75.1
≥ 2000	40.7	54.2	59.5	62.7	68.6	70.9	73.1	74.9	75.9	76.5	76.5	77.0	77.0	77.3	77.7	78.1
≥ 1800	40.9	54.6	60.0	63.3	69.4	70.7	74.1	75.9	76.9	77.5	77.5	78.0	78.0	78.3	78.6	79.1
≥ 1500	42.3	56.7	62.5	66.2	72.3	74.1	78.1	80.2	81.2	81.9	81.9	82.3	82.3	82.6	83.0	83.5
≥ 1200	44.1	58.6	64.6	68.5	74.9	76.8	80.9	83.2	84.2	84.8	84.8	85.3	85.3	85.6	85.9	86.4
≥ 1000	44.8	59.9	66.3	70.2	76.8	78.8	83.2	86.0	87.0	87.7	87.7	88.1	88.1	88.4	88.8	89.3
≥ 900	44.9	60.1	66.7	70.6	77.4	79.4	84.0	86.8	87.8	88.5	88.5	89.0	89.0	89.3	89.6	90.1
≥ 800	45.6	61.0	67.5	71.6	78.5	80.5	85.1	88.1	89.1	90.0	90.0	90.5	90.5	90.7	91.1	91.6
≥ 700	45.9	61.9	68.6	72.7	80.1	82.1	86.7	90.0	91.4	92.5	92.5	93.0	93.0	93.2	93.6	94.1
≥ 600	45.9	62.0	68.8	72.8	80.4	82.3	86.9	90.2	91.6	93.0	93.1	93.6	93.6	93.8	94.2	94.7
≥ 500	46.0	62.1	68.9	73.0	80.9	83.0	87.8	92.0	93.3	94.9	95.1	95.6	95.6	95.9	96.3	96.8
≥ 400	46.0	62.1	68.9	73.0	80.9	83.0	87.9	92.2	94.0	95.9	96.0	96.5	96.5	96.9	97.3	97.8
≥ 300	46.0	62.1	68.9	73.0	81.0	83.1	88.0	92.5	94.4	96.7	96.8	97.3	97.3	97.7	98.0	98.5
≥ 200	46.0	62.1	68.9	73.0	81.0	83.1	88.1	92.6	94.6	96.9	97.0	97.5	97.5	97.7	98.4	99.1
≥ 100	46.0	62.1	68.9	73.0	81.0	83.1	88.1	92.6	94.6	96.9	97.2	97.7	97.7	97.8	98.5	99.5
≥ 0	46.0	62.1	68.9	73.0	81.0	83.1	88.1	92.6	94.6	96.9	97.2	97.7	97.7	97.8	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 812

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

15100
STATION

BITBURG AB DL
STATION NAME

73-81
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥0
NO CEILING	25.8	29.9	32.1	33.3	35.6	35.8	36.3	36.3	36.4	36.4	36.4	36.4	36.4	36.5	36.7	36.7
≥ 20000	29.5	34.3	37.7	38.3	42.9	41.1	41.6	41.6	41.7	41.7	41.7	41.7	41.7	41.9	42.0	42.0
IN 18000	29.8	34.6	37.3	38.5	41.1	41.4	41.9	41.9	42.0	42.0	42.0	42.0	42.0	42.1	42.2	42.2
IN 16000	29.8	34.6	37.3	38.5	41.1	41.4	41.9	41.9	42.0	42.0	42.0	42.0	42.0	42.1	42.2	42.2
IN 14000	29.9	34.8	37.5	38.8	41.4	41.6	42.1	42.1	42.2	42.2	42.2	42.2	42.2	42.3	42.5	42.5
IN 12000	30.2	35.6	38.6	39.9	42.6	42.8	43.3	43.5	43.6	43.6	43.6	43.6	43.6	43.7	43.8	43.8
IN 10000	31.7	37.4	41.0	42.3	45.1	45.3	45.8	45.9	46.0	46.0	46.0	46.0	46.0	46.2	46.3	46.3
IN 9000	34.0	39.8	43.3	45.1	47.8	48.0	48.5	48.6	48.8	48.8	48.8	48.8	48.8	48.9	49.0	49.0
IN 8000	36.4	43.3	47.4	49.5	52.7	53.0	53.5	53.7	54.0	54.0	54.0	54.0	54.0	54.1	54.2	54.2
IN 7000	36.5	43.7	47.8	49.9	53.1	53.3	54.0	54.2	54.4	54.4	54.4	54.4	54.4	54.6	54.7	54.7
IN 6000	36.5	43.8	47.9	50.0	53.2	53.5	54.1	54.3	54.6	54.6	54.6	54.6	54.6	54.7	54.8	54.8
IN 5000	37.3	44.8	48.9	51.0	54.6	54.8	55.6	55.8	56.0	56.0	56.0	56.0	56.0	56.2	56.3	56.3
IN 4500	39.9	47.7	51.7	53.8	57.5	57.8	58.8	59.0	59.3	59.3	59.3	59.3	59.3	59.4	59.5	59.5
IN 4000	41.2	50.4	54.7	56.9	61.1	61.4	62.3	62.7	63.0	63.0	63.0	63.0	63.0	63.1	63.2	63.2
IN 3500	44.3	53.5	57.9	60.4	64.6	64.8	65.8	66.3	66.5	66.5	66.5	66.5	66.5	66.7	66.8	66.8
IN 3000	47.4	57.0	61.6	64.1	68.5	68.8	69.8	70.2	70.5	70.5	70.5	70.5	70.5	70.6	70.7	70.7
IN 2500	49.6	59.4	64.2	66.8	71.6	71.9	72.8	73.3	73.6	73.6	73.6	73.6	73.6	73.7	73.8	73.8
IN 2000	52.5	62.6	67.4	70.5	75.7	75.9	76.9	77.4	77.7	77.7	77.7	77.7	77.7	77.8	77.9	77.9
IN 1800	52.8	63.6	68.5	71.6	77.0	77.3	78.3	78.8	79.0	79.0	79.0	79.0	79.0	79.1	79.3	79.3
IN 1500	56.2	67.3	72.3	75.7	81.6	82.0	83.0	83.5	83.7	83.7	83.7	83.7	83.7	83.8	84.0	84.0
IN 1200	57.8	69.3	74.7	78.1	84.9	85.4	86.7	87.2	87.4	87.4	87.4	87.4	87.4	87.5	87.7	87.7
IN 1000	58.5	71.1	76.7	80.2	88.3	88.8	90.1	90.6	91.0	91.0	91.0	91.0	91.0	91.1	91.2	91.2
IN 900	58.6	71.4	76.9	80.5	88.5	89.0	90.4	90.9	91.2	91.2	91.2	91.2	91.2	91.4	91.5	91.5
IN 800	59.4	72.1	77.7	81.6	89.9	90.5	92.3	93.2	93.6	93.7	93.7	93.7	93.7	93.8	94.0	94.0
IN 700	59.5	72.5	78.0	82.0	90.5	91.4	93.2	94.4	95.1	95.2	95.2	95.2	95.2	95.3	95.4	95.4
IN 600	59.6	72.7	78.3	82.2	91.0	91.9	93.8	95.4	96.0	96.3	96.4	96.4	96.4	96.5	96.7	96.7
IN 500	59.9	73.0	78.5	82.5	91.2	92.1	94.3	96.4	97.2	97.4	97.5	97.5	97.5	97.7	97.8	97.8
IN 400	59.9	73.0	78.5	82.5	91.5	92.3	94.7	97.2	98.1	98.4	98.5	98.6	98.8	98.9	98.9	98.9
IN 300	59.9	73.0	78.5	82.5	91.5	92.3	94.7	97.3	98.3	98.8	98.9	99.0	99.3	99.4	99.4	99.4
IN 200	59.9	73.0	78.5	82.5	91.5	92.3	94.7	97.3	98.3	98.9	99.0	99.1	99.4	99.6	99.6	99.6
IN 100	59.9	73.0	78.5	82.5	91.5	92.3	94.7	97.3	98.3	98.9	99.0	99.1	99.4	99.6	99.8	99.9
IN 0	59.9	73.0	78.5	82.5	91.5	92.3	94.7	97.3	98.3	98.9	99.0	99.1	99.4	99.6	99.8	CD.0

TOTAL NUMBER OF OBSERVATIONS 810

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1-100

BITBURG AB DL

73-81

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	29.4	33.0	33.2	33.7	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
≥ 20000	34.4	38.5	38.8	39.5	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
IV 18000	34.6	38.6	38.9	39.6	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 16000	34.6	38.6	38.9	39.6	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 14000	34.6	38.8	39.0	39.8	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
IV 12000	35.1	39.3	39.5	40.2	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
IV 10000	38.1	42.6	42.8	43.6	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
IV 9000	39.3	43.7	44.1	44.9	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 8000	41.0	45.7	46.0	47.0	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 7000	41.4	46.4	46.8	47.8	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 6000	41.4	46.4	46.8	47.8	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 5000	43.7	49.0	49.5	50.5	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
IV 4500	47.9	53.6	54.1	55.2	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 4000	52.8	58.6	59.3	60.4	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 3500	59.1	65.6	66.2	67.4	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 3000	66.7	74.3	74.9	76.2	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 2500	73.2	81.1	81.9	83.3	84.4	84.4	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 2000	76.8	84.8	85.7	87.3	88.9	88.9	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 1800	78.6	86.7	87.5	89.3	91.0	91.0	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 1500	80.6	88.9	90.1	92.3	94.4	94.4	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1200	81.1	89.5	90.7	93.0	95.2	95.3	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1000	81.1	89.9	91.2	93.7	96.2	96.3	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 900	81.1	90.1	91.5	94.0	96.4	96.5	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 800	81.1	90.2	91.6	94.2	97.0	97.2	97.5	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 700	81.6	90.9	92.2	94.8	97.8	97.9	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 600	81.6	90.9	92.2	94.8	98.0	98.1	98.6	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1
IV 500	81.6	90.9	92.2	94.8	98.5	98.6	99.3	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	81.6	90.9	92.2	94.8	98.6	98.6	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	81.6	90.9	92.2	94.8	98.6	98.6	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	81.6	90.9	92.2	94.8	98.6	98.6	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	81.6	90.9	92.2	94.8	98.6	98.6	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	81.6	90.9	92.2	94.8	98.6	98.6	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 810

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1000
STATION

BITBURG AB DL
STATION NAME

73-81
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥1/16	≥0
NO CEILING	29.9	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 20000	35.2	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
≥ 18000	35.2	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
≥ 16000	35.2	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
≥ 14000	35.2	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
≥ 12000	35.8	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 10000	38.4	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 9500	40.0	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 8000	42.1	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 7000	42.2	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 6000	43.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 5000	48.6	52.0	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 4500	52.8	56.8	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 4000	61.2	65.2	65.3	65.9	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 3500	67.8	73.5	73.6	74.2	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 3000	75.7	82.6	83.5	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 2500	87.1	87.3	88.3	89.1	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 2000	82.3	90.2	91.7	92.8	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1800	82.5	90.5	92.0	93.1	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1500	84.2	92.6	94.1	95.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1200	84.3	93.1	94.7	95.8	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1000	84.6	93.6	95.2	96.4	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 900	84.7	93.7	95.3	96.5	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 800	85.1	94.2	95.8	97.0	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700	85.1	94.3	95.9	97.2	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	85.4	94.8	96.5	97.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	85.4	94.8	96.5	97.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	85.4	94.8	96.5	97.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	85.4	94.8	96.5	97.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	85.4	94.8	96.5	97.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	85.4	94.8	96.5	97.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	85.4	94.8	96.5	97.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
11100

STATION NAME
BITBURG AB DL

YEARS
73-81

MONTH
JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥1/16	≥0
NO CEILING	33.3	35.4	35.6	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
≥ 20000	42.3	44.9	45.1	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 18000	42.5	45.1	45.2	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 16000	42.5	45.1	45.2	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 14000	42.7	45.3	45.4	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 12000	43.0	45.6	45.7	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 10000	44.7	47.4	47.5	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 9000	46.5	49.5	49.6	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 8000	51.5	54.6	54.8	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 7000	51.7	55.3	55.6	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 6000	52.7	56.4	56.7	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 5000	58.4	63.5	63.7	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 4500	63.3	69.5	69.9	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 4000	69.5	76.7	77.0	77.5	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 3500	73.7	81.4	81.7	82.3	82.8	82.8	82.8	82.8	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 3000	76.4	84.9	85.7	86.4	86.9	86.9	86.9	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 2500	78.6	88.0	88.8	89.6	90.5	90.5	90.5	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 2000	80.7	90.7	91.5	92.3	93.2	93.2	93.2	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1800	80.7	90.9	91.6	92.5	93.5	93.5	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1500	82.2	93.0	94.1	94.9	96.4	96.8	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1200	82.3	93.2	94.8	96.0	97.5	98.0	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1000	83.1	94.1	95.7	96.9	98.6	99.1	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	83.1	94.2	95.8	97.0	98.8	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800	83.1	94.2	95.8	97.2	99.0	99.5	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	83.1	94.3	95.9	97.3	99.1	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	83.1	94.3	95.9	97.3	99.1	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	83.1	94.3	95.9	97.3	99.1	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	83.1	94.3	95.9	97.3	99.1	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	83.1	94.3	95.9	97.3	99.1	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	83.1	94.3	95.9	97.3	99.1	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	83.1	94.3	95.9	97.3	99.1	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	83.1	94.3	95.9	97.3	99.1	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
 WAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 110 BITBURG AB DL
 STATION NAME

73-81
 YEARS

JUN
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

2170-2370
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	38.5	41.6	42.3	42.3	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
≥ 20000	46.5	50.9	51.6	51.6	53.1	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 18000	46.5	50.9	51.6	51.6	53.1	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 16000	46.5	50.9	51.6	51.6	53.1	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 14000	47.3	51.6	52.3	52.3	53.8	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 12000	47.8	52.1	52.8	52.8	54.3	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 10000	49.5	54.1	54.8	54.8	56.5	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 9000	52.0	56.5	57.3	57.3	59.0	59.1	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 8000	57.5	62.7	63.6	63.6	65.4	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 7000	57.5	63.2	64.1	64.1	66.0	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 6000	58.3	63.7	64.7	64.7	66.9	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 5000	62.7	69.0	70.4	70.4	72.6	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 4500	67.2	74.4	76.0	76.0	78.4	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 4000	71.2	78.6	80.7	80.7	83.5	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 3500	73.1	81.0	83.6	83.7	86.5	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 3000	74.4	83.1	85.8	85.9	88.8	88.9	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2500	75.8	84.9	87.7	88.0	91.0	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2000	76.5	86.4	89.1	89.9	93.1	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1800	76.7	86.5	89.3	90.0	93.3	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1500	76.9	86.9	89.6	90.4	94.4	94.9	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1200	77.5	87.9	90.6	91.4	95.4	96.0	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000	78.0	88.5	91.5	92.2	96.9	97.5	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 900	78.1	88.5	91.5	92.2	96.9	97.5	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 800	78.3	88.8	91.7	92.5	97.3	97.9	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700	78.3	88.9	92.0	92.7	97.5	98.1	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	78.3	88.9	92.0	92.7	97.5	98.1	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	78.3	89.1	92.2	93.0	97.8	98.4	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	78.3	89.1	92.2	93.0	97.8	98.4	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	78.3	89.1	92.2	93.0	97.8	98.4	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	78.3	89.1	92.2	93.0	97.8	98.4	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	78.3	89.1	92.2	93.0	97.8	98.4	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	78.3	89.1	92.2	93.0	97.8	98.4	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

100 BITBURG AB DL

73-81

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	32.3	36.2	37.3	37.8	39.1	39.3	39.6	39.7	39.8	39.8	39.8	39.9	39.9	39.9	40.0	40.0
≥ 20000	37.3	41.9	43.2	43.8	45.4	45.6	45.9	46.1	46.2	46.2	46.2	46.2	46.3	46.3	46.4	46.5
≥ 18000	37.4	42.0	43.3	43.9	45.5	45.6	46.0	46.1	46.2	46.3	46.3	46.3	46.3	46.4	46.5	46.6
≥ 16000	37.4	42.0	43.3	43.9	45.5	45.6	46.0	46.1	46.2	46.3	46.3	46.3	46.3	46.4	46.5	46.6
≥ 14000	37.7	42.3	43.6	44.2	45.7	45.9	46.2	46.4	46.5	46.5	46.5	46.6	46.6	46.7	46.7	46.8
≥ 12000	38.2	42.8	44.2	44.8	46.4	46.5	46.9	47.1	47.2	47.2	47.2	47.2	47.3	47.3	47.4	47.5
≥ 10000	40.0	45.0	46.5	47.1	48.8	48.9	49.3	49.5	49.6	49.6	49.6	49.7	49.7	49.7	49.8	49.9
≥ 9000	41.7	46.8	48.3	49.0	50.7	50.9	51.3	51.5	51.6	51.6	51.6	51.7	51.7	51.8	51.8	51.9
≥ 8000	45.0	50.5	52.1	53.0	54.9	55.1	55.6	55.8	56.0	56.1	56.1	56.1	56.2	56.2	56.3	56.4
≥ 7000	45.3	51.0	52.6	53.5	55.5	55.7	56.1	56.4	56.6	56.6	56.7	56.7	56.7	56.8	56.9	57.0
≥ 6000	45.6	51.4	53.1	53.9	56.0	56.2	56.7	57.0	57.1	57.2	57.2	57.3	57.3	57.3	57.4	57.5
≥ 5000	49.0	55.2	57.0	58.0	60.2	60.4	60.8	61.1	61.3	61.4	61.4	61.4	61.5	61.5	61.6	61.7
≥ 4500	52.9	59.8	61.7	62.7	65.1	65.3	65.9	66.2	66.4	66.5	66.5	66.6	66.6	66.7	66.7	66.8
≥ 4000	57.7	64.4	66.5	67.7	70.4	70.6	71.3	71.7	72.0	72.1	72.1	72.1	72.2	72.2	72.3	72.4
≥ 3500	60.5	68.5	70.7	72.0	74.9	75.1	75.8	76.3	76.5	76.6	76.7	76.7	76.7	76.8	76.9	77.0
≥ 3000	64.0	72.8	75.2	76.6	79.6	79.9	80.7	81.1	81.4	81.5	81.5	81.6	81.6	81.7	81.7	81.8
≥ 2500	66.5	75.6	78.1	79.6	82.7	83.1	84.0	84.4	84.7	84.8	84.8	84.9	84.9	85.0	85.0	85.1
≥ 2000	68.5	78.1	81.7	82.3	85.8	86.1	87.0	87.5	87.8	87.9	87.9	88.0	88.0	88.1	88.1	88.2
IV 1800	68.9	78.6	81.3	82.9	86.5	86.9	87.8	88.3	88.5	88.7	88.7	88.8	88.8	88.8	88.9	89.0
IV 1500	70.5	80.5	83.4	85.3	89.3	89.8	90.9	91.4	91.7	91.8	91.8	91.9	91.9	92.0	92.0	92.1
IV 1200	71.3	81.7	84.6	86.6	90.9	91.5	92.7	93.2	93.5	93.7	93.7	93.8	93.8	93.8	93.9	94.0
IV 1000	71.9	82.5	85.6	87.7	92.4	93.1	94.4	95.0	95.3	95.5	95.5	95.6	95.6	95.6	95.7	95.8
IV 900	71.9	82.7	85.8	87.9	92.6	93.3	94.6	95.2	95.6	95.7	95.7	95.8	95.8	95.9	95.9	96.0
IV 800	72.2	83.0	86.1	88.3	93.2	93.9	95.2	96.0	96.4	96.5	96.6	96.6	96.6	96.7	96.8	96.9
IV 700	72.3	83.3	86.5	88.7	93.7	94.4	95.8	96.7	97.1	97.3	97.4	97.4	97.4	97.5	97.5	97.7
IV 600	72.4	83.5	86.7	88.9	94.1	94.8	96.2	97.1	97.6	97.9	97.9	98.0	98.0	98.1	98.1	98.3
IV 500	72.5	83.6	86.9	89.1	94.5	95.3	96.8	97.9	98.4	98.8	98.8	98.9	98.9	99.0	99.0	99.2
IV 400	72.5	83.6	86.9	89.1	94.6	95.3	96.9	98.1	98.8	99.1	99.2	99.2	99.3	99.3	99.4	99.5
IV 300	72.5	83.6	86.9	89.1	94.6	95.4	96.9	98.2	98.8	99.3	99.3	99.4	99.4	99.5	99.6	99.7
IV 200	72.5	83.6	86.9	89.1	94.6	95.4	96.9	98.2	98.9	99.3	99.4	99.5	99.5	99.6	99.7	99.8
IV 100	72.5	83.6	86.9	89.1	94.6	95.4	96.9	98.2	98.9	99.3	99.4	99.5	99.5	99.6	99.7	99.9
IV 0	72.5	83.6	86.9	89.1	94.6	95.4	96.9	98.2	98.9	99.3	99.4	99.5	99.5	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 6480

GLOBAL CLIMATOLOGY BRANCH
AFMETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION BITBURG AB DL

73-81

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	44.1	49.3	57.4	50.8	51.8	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.3	52.3
≥ 20000	48.2	54.0	55.0	55.5	56.5	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.1	57.1	57.1
≥ 18000	48.2	54.0	55.0	55.5	56.5	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.1	57.1	57.1
≥ 16000	48.2	54.0	55.0	55.5	56.5	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.1	57.1	57.1
≥ 14000	48.3	54.1	55.2	55.6	56.6	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.2	57.2	57.2
≥ 12000	48.8	54.6	55.6	56.1	57.1	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.7	57.7	57.7
≥ 10000	51.8	57.6	58.9	59.4	60.3	60.6	60.9	61.2	61.2	61.2	61.2	61.2	61.2	61.3	61.3	61.3
≥ 9000	52.3	58.0	59.4	59.8	60.8	61.0	61.4	61.6	61.8	61.8	61.8	61.8	61.8	61.9	61.9	61.9
≥ 8000	56.5	62.8	64.1	64.6	65.6	66.1	66.5	66.8	66.9	66.9	66.9	66.9	66.9	67.0	67.0	67.0
≥ 7000	57.6	63.9	65.2	65.7	66.7	67.1	67.6	67.9	68.0	68.0	68.0	68.0	68.0	68.1	68.1	68.1
≥ 6000	58.3	64.7	66.2	66.7	67.7	68.2	68.7	68.9	69.1	69.1	69.1	69.1	69.2	69.2	69.2	69.2
≥ 5000	62.5	69.3	77.7	71.2	72.4	72.9	73.4	73.6	73.7	73.7	73.7	73.7	73.7	73.9	73.9	73.9
≥ 4500	66.7	73.9	75.3	75.9	77.2	77.7	78.2	78.4	78.5	78.5	78.5	78.5	78.5	78.7	78.7	78.7
≥ 4000	69.8	77.1	78.7	79.3	81.1	81.5	82.0	82.3	82.4	82.4	82.4	82.4	82.5	82.5	82.5	82.5
≥ 3500	72.1	79.7	81.3	81.9	83.8	84.3	84.8	85.0	85.1	85.1	85.1	85.1	85.3	85.3	85.3	85.3
≥ 3000	74.3	82.4	83.9	84.5	86.5	86.9	87.4	87.6	87.8	88.0	88.0	88.0	88.1	88.1	88.1	88.1
≥ 2500	75.1	83.1	84.7	85.3	87.2	87.6	88.1	88.4	88.5	88.7	88.7	88.7	88.8	88.8	88.8	88.8
≥ 2000	76.4	85.0	86.9	87.5	89.7	90.2	90.6	91.0	91.1	91.4	91.4	91.4	91.5	91.5	91.5	91.5
≥ 1800	76.5	85.1	87.1	87.6	89.8	90.3	90.8	91.1	91.2	91.5	91.5	91.5	91.6	91.6	91.6	91.6
≥ 1500	77.7	86.6	88.6	89.2	91.6	92.1	92.7	93.0	93.2	93.5	93.5	93.5	93.6	93.6	93.6	93.6
≥ 1200	78.7	87.8	89.8	90.4	93.0	93.5	94.1	94.5	94.6	95.0	95.0	95.0	95.1	95.1	95.1	95.1
≥ 1000	79.1	88.4	90.4	91.2	94.0	94.5	95.2	95.6	95.7	96.0	96.0	96.0	96.2	96.2	96.2	96.2
≥ 900	79.1	88.4	90.4	91.2	94.0	94.5	95.2	95.6	95.7	96.0	96.0	96.0	96.2	96.2	96.2	96.2
≥ 800	79.5	88.8	90.9	91.8	95.0	95.4	96.2	96.5	96.6	97.0	97.0	97.0	97.1	97.1	97.1	97.1
≥ 700	80.1	89.6	91.7	92.7	95.9	96.4	97.1	97.6	97.7	98.1	98.1	98.1	98.2	98.2	98.2	98.2
≥ 600	80.3	89.8	92.0	93.0	96.4	96.9	97.6	98.1	98.2	98.6	98.6	98.6	98.7	98.7	98.7	98.7
≥ 500	80.5	89.9	92.1	93.3	96.9	97.4	98.1	98.6	98.7	99.0	99.0	99.0	99.2	99.2	99.2	99.2
≥ 400	80.5	89.9	92.1	93.4	97.2	97.7	98.6	99.0	99.3	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 300	80.5	89.9	92.1	93.4	97.2	97.7	98.6	99.0	99.3	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 200	80.5	89.9	92.1	93.4	97.2	97.7	98.6	99.0	99.3	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 100	80.5	89.9	92.1	93.4	97.2	97.7	98.6	99.0	99.3	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 0	80.5	89.9	92.1	93.4	97.2	97.7	98.6	99.0	99.3	99.8	99.8	99.8	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

834

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1100 BITBURG AB DL

73-61

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (L.G.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	35.7	40.4	42.7	47.8	44.6	45.4	46.5	46.7	47.2	47.2	47.3	47.3	47.6	47.6	47.8	47.8
≥ 20000	38.6	43.4	45.6	45.8	47.8	48.7	49.8	50.1	50.7	50.7	50.8	50.8	51.0	51.1	51.4	51.4
≥ 18000	38.6	43.4	45.6	45.8	47.8	48.7	49.8	50.1	50.7	50.7	50.8	50.8	51.0	51.1	51.4	51.4
≥ 16000	38.6	43.4	45.6	45.8	47.8	48.7	49.8	50.1	50.7	50.7	50.8	50.8	51.0	51.1	51.4	51.4
≥ 14000	38.6	43.4	45.6	45.8	47.8	48.7	49.8	50.1	50.7	50.7	50.8	50.8	51.0	51.1	51.4	51.4
≥ 12000	38.6	43.4	45.6	45.8	47.8	48.7	49.8	50.1	50.7	50.7	50.8	50.8	51.0	51.1	51.4	51.4
≥ 10000	41.3	46.2	48.6	48.7	50.8	51.9	53.0	53.3	53.9	53.9	54.0	54.0	54.2	54.5	54.7	54.7
≥ 9000	42.5	47.4	49.8	50.1	52.1	53.2	54.4	54.6	55.3	55.3	55.4	55.4	55.7	55.9	56.2	56.2
≥ 8000	46.6	51.7	54.7	55.0	57.0	58.2	59.6	59.9	60.6	60.8	60.9	60.9	61.2	61.4	61.6	61.6
≥ 7000	47.4	52.6	55.6	55.9	58.1	59.3	60.7	60.9	61.6	61.9	62.0	62.0	62.2	62.5	62.7	62.7
≥ 6000	48.6	53.8	56.9	57.2	59.4	60.6	62.0	62.2	63.0	63.2	63.3	63.3	63.6	63.8	64.0	64.0
≥ 5000	52.2	57.6	60.8	61.2	63.4	64.6	66.1	66.3	67.0	67.3	67.4	67.4	67.6	67.9	68.1	68.1
≥ 4500	56.4	62.0	65.7	66.2	68.6	69.8	71.3	71.7	72.4	72.6	72.8	72.8	73.0	73.2	73.5	73.5
≥ 4000	59.6	65.8	70.0	70.6	73.5	74.7	76.2	76.6	77.3	77.5	77.7	77.7	77.9	78.1	78.4	78.4
≥ 3500	60.8	67.0	71.3	72.0	75.1	76.3	77.9	78.3	79.0	79.2	79.3	79.3	79.6	79.8	80.0	80.0
≥ 3000	63.8	70.1	74.7	75.5	78.9	80.0	81.6	82.0	82.7	82.9	83.0	83.0	83.3	83.5	83.8	83.8
≥ 2500	65.0	71.4	76.0	76.8	80.2	81.4	82.9	83.3	84.1	84.3	84.5	84.5	84.7	84.9	85.2	85.2
≥ 2000	66.3	73.2	77.9	78.7	82.2	83.4	85.1	85.7	86.5	87.1	87.2	87.2	87.5	87.7	87.9	87.9
≥ 1800	66.9	74.0	78.6	79.5	82.9	84.1	85.8	86.4	87.2	87.8	87.9	87.9	88.2	88.4	88.6	88.6
≥ 1500	68.2	75.7	80.8	81.6	85.2	86.4	88.1	88.6	89.5	90.1	90.2	90.2	90.4	90.7	90.9	90.9
≥ 1200	69.7	77.3	82.4	83.3	86.9	88.1	90.0	90.6	91.4	92.0	92.1	92.1	92.4	92.6	92.8	92.8
≥ 1000	70.4	78.1	83.4	84.3	87.9	89.1	91.4	92.1	93.0	93.5	93.7	93.7	93.9	94.1	94.4	94.4
≥ 900	70.5	78.3	83.5	84.5	88.1	89.2	91.5	92.2	93.1	93.7	93.8	93.8	94.0	94.3	94.5	94.5
≥ 800	71.5	78.7	84.0	85.1	88.9	90.1	92.4	93.1	93.9	94.5	94.7	94.7	95.0	95.2	95.5	95.5
≥ 700	72.3	80.0	85.3	86.4	90.2	91.4	93.7	94.5	95.3	95.9	96.2	96.2	96.4	96.7	96.9	96.9
≥ 600	72.4	80.2	85.5	86.7	90.7	91.9	94.1	95.2	96.1	96.7	96.9	96.9	97.1	97.4	97.6	97.6
≥ 500	72.5	80.3	85.7	87.1	91.4	92.7	95.0	96.2	97.0	97.6	98.0	98.0	98.2	98.4	98.7	98.7
≥ 400	72.6	80.4	85.9	87.3	91.8	93.1	95.3	96.5	97.4	98.0	98.3	98.3	98.6	98.8	99.1	99.1
≥ 300	72.6	80.4	85.9	87.3	91.9	93.2	95.6	96.9	97.8	98.4	98.8	98.8	99.0	99.3	99.5	99.5
≥ 200	72.6	80.4	85.9	87.3	91.9	93.2	95.6	97.0	98.0	98.6	98.9	98.9	99.2	99.5	99.8	99.8
≥ 100	72.6	80.4	85.9	87.3	91.9	93.2	95.6	97.0	98.0	98.6	98.9	98.9	99.3	99.6	99.9	99.9
≥ 0	72.6	80.4	85.9	87.3	91.9	93.2	95.6	97.0	98.0	98.7	99.0	99.0	99.4	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 170

BITBURG AB DL

73-81

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	17.4	24.7	28.4	28.8	32.3	32.6	34.9	35.6	36.0	36.6	36.7	36.8	37.2	37.4	37.8	37.9
≥ 20000	18.6	26.6	30.6	31.1	34.6	35.1	37.5	38.2	38.6	39.2	39.3	39.4	39.8	40.0	40.4	40.7
IV 18000	18.6	26.6	30.6	31.1	34.6	35.1	37.5	38.2	38.6	39.2	39.3	39.4	39.8	40.0	40.4	40.7
IV 16000	18.6	26.6	30.6	31.1	34.6	35.1	37.5	38.2	38.6	39.2	39.3	39.4	39.8	40.0	40.4	40.7
IV 14000	18.8	26.8	30.7	31.2	34.8	35.2	37.6	38.4	38.7	39.3	39.4	39.5	39.9	40.1	40.5	40.9
IV 12000	19.5	27.5	31.5	32.0	35.7	36.7	39.1	39.8	40.1	40.9	41.0	41.1	41.5	41.7	42.1	42.4
IV 10000	20.8	29.4	34.2	34.8	38.7	39.7	42.2	42.9	43.2	44.1	44.2	44.3	44.7	44.9	45.3	45.8
IV 9000	21.7	30.8	35.7	36.4	40.4	41.3	43.8	44.6	44.9	45.8	45.9	46.0	46.4	46.6	47.0	47.4
IV 8000	23.3	33.3	38.7	39.8	44.3	45.4	48.6	49.3	49.7	50.7	50.8	51.0	51.4	51.6	52.0	52.6
IV 7000	24.1	34.2	39.5	40.6	45.5	46.6	49.8	50.5	50.9	51.9	52.0	52.2	52.6	52.8	53.2	53.8
IV 6000	24.4	34.9	40.3	41.3	46.4	47.4	50.7	51.4	51.7	52.7	52.8	53.0	53.4	53.6	54.0	54.6
IV 5000	25.9	36.4	42.4	43.5	48.6	49.8	53.0	53.9	54.2	55.2	55.3	55.6	55.9	56.2	56.5	57.1
IV 4500	29.3	40.4	46.8	48.1	53.8	55.1	58.7	59.5	59.9	60.8	60.9	61.2	61.5	61.8	62.1	62.7
IV 4000	31.1	42.4	49.1	50.5	56.6	57.9	62.0	63.2	63.6	64.6	64.8	65.0	65.5	65.7	66.2	66.8
IV 3500	32.5	44.1	51.1	52.8	59.4	60.7	65.0	66.7	67.0	68.1	68.2	68.5	68.9	69.2	69.7	70.3
IV 3000	34.6	46.6	54.7	55.8	62.8	64.3	68.8	70.5	71.0	72.0	72.2	72.4	72.9	73.1	73.6	74.2
IV 2500	35.7	47.9	55.3	57.6	64.8	66.2	70.7	72.4	72.9	74.0	74.1	74.3	74.8	75.0	75.5	76.1
IV 2000	36.1	48.7	56.6	58.9	66.7	68.1	72.8	74.4	74.9	76.2	76.3	76.6	77.1	77.3	77.8	78.4
IV 1800	36.9	49.6	57.5	59.7	67.5	68.9	73.6	75.3	75.7	77.1	77.2	77.4	77.9	78.1	78.6	79.2
IV 1500	39.1	52.4	60.9	63.3	71.4	72.9	77.5	79.3	79.8	81.1	81.2	81.5	82.0	82.2	82.7	83.4
IV 1200	41.2	55.3	64.0	66.7	75.0	76.5	81.7	83.5	84.1	85.7	85.8	86.0	86.5	86.7	87.2	87.9
IV 1000	43.0	57.3	66.4	69.2	77.8	79.2	84.9	86.7	87.3	88.9	89.0	89.2	89.7	90.0	90.4	91.2
IV 900	43.5	57.8	66.9	69.8	78.4	79.8	85.5	87.3	87.9	89.5	89.6	89.8	90.3	90.6	91.0	91.8
IV 800	44.3	59.0	68.5	71.3	80.2	81.6	87.6	89.5	90.1	91.6	91.8	92.0	92.5	92.7	93.2	93.9
IV 700	44.6	59.6	69.1	72.0	81.0	82.4	88.8	90.9	91.6	93.2	93.3	93.5	94.0	94.3	94.7	95.5
IV 600	44.8	59.9	69.3	72.3	81.2	82.7	89.1	91.3	92.0	93.7	93.8	94.1	94.6	94.9	95.3	96.1
IV 500	44.9	60.0	69.4	72.5	81.8	83.3	90.2	92.5	93.4	95.2	95.3	95.7	96.2	96.4	96.9	97.6
IV 400	44.9	60.0	69.4	72.6	82.3	83.8	90.9	93.2	94.1	95.9	96.1	96.4	97.1	97.4	97.8	98.6
IV 300	44.9	60.0	69.4	72.6	82.3	83.8	90.9	93.3	94.3	96.2	96.3	96.7	97.6	98.0	98.4	99.2
IV 200	44.9	60.0	69.4	72.6	82.3	83.8	90.9	93.3	94.3	96.3	96.4	96.8	97.7	98.3	98.9	99.9
IV 100	44.9	60.0	69.4	72.6	82.3	83.8	90.9	93.3	94.3	96.3	96.4	96.9	97.8	98.4	99.0	100.0
IV 0	44.9	60.0	69.4	72.6	82.3	83.8	90.9	93.3	94.3	96.3	96.4	96.9	97.8	98.4	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION BITBURG AB DL

YEARS 73-81

MONTH JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2 1/2	≥2	≥ 1 1/2	≥1 1/4	≥1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32
NO CEILING	21.4	27.7	28.9	30.3	33.7	34.2	34.4	35.0	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.5
≥ 20000	23.4	29.6	31.9	33.6	37.0	37.5	37.8	38.4	38.7	38.8	38.8	38.8	38.8	38.8	38.8	38.9
≥ 18000	23.4	29.9	32.1	33.8	37.3	37.8	38.0	38.6	38.9	39.1	39.1	39.1	39.1	39.1	39.1	39.2
≥ 16000	23.4	29.9	32.1	33.8	37.3	37.8	38.0	38.6	38.9	39.1	39.1	39.1	39.1	39.1	39.1	39.2
≥ 14000	23.7	30.1	32.4	34.1	37.5	38.0	38.2	38.8	39.2	39.3	39.3	39.3	39.3	39.3	39.3	39.4
≥ 12000	24.1	30.8	33.3	35.0	38.5	38.9	39.2	39.8	40.1	40.3	40.3	40.3	40.3	40.3	40.3	40.4
≥ 10000	25.0	31.9	34.4	36.1	39.5	40.0	40.4	41.0	41.3	41.5	41.5	41.5	41.5	41.5	41.5	41.6
≥ 9000	25.9	33.2	36.1	37.9	41.5	41.9	42.3	42.9	43.2	43.4	43.4	43.4	43.4	43.4	43.4	43.5
≥ 8000	29.0	37.4	40.5	42.8	46.6	47.1	47.7	48.3	48.7	48.9	48.9	48.9	48.9	48.9	48.9	49.0
≥ 7000	29.9	38.5	41.7	44.0	47.9	48.4	49.1	49.7	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.4
≥ 6000	30.5	39.2	42.4	44.7	48.7	49.2	50.1	50.7	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.4
≥ 5000	31.4	40.1	43.6	46.0	50.2	50.7	51.6	52.2	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.9
≥ 4500	34.5	43.7	47.3	49.8	54.0	54.5	55.4	56.0	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.8
≥ 4000	37.4	46.6	50.3	52.9	57.3	57.8	59.1	60.1	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.8
≥ 3500	40.0	49.2	53.2	56.0	60.6	61.1	62.4	63.6	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.3
≥ 3000	42.3	51.7	55.7	58.5	63.1	63.7	65.2	66.4	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.1
≥ 2500	44.9	54.7	58.8	61.6	66.2	66.8	68.3	69.5	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.3
≥ 2000	49.1	59.5	63.8	66.9	71.7	72.3	74.0	75.3	75.7	75.9	75.9	75.9	75.9	75.9	75.9	76.0
≥ 1800	49.7	60.1	64.4	67.5	72.3	72.9	74.6	75.9	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.6
≥ 1500	54.5	65.5	69.9	73.0	78.1	78.7	80.4	81.8	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.6
≥ 1200	57.3	68.7	73.2	76.5	82.0	82.6	84.2	85.7	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.4
≥ 1000	59.1	71.2	76.6	80.0	85.8	86.4	88.1	90.0	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.7
≥ 900	59.6	71.7	77.1	80.5	86.9	87.5	89.1	91.3	91.8	91.9	91.9	91.9	91.9	91.9	91.9	92.0
≥ 800	60.7	72.9	78.4	82.9	89.6	90.2	91.9	94.0	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.9
≥ 700	61.3	73.6	79.3	84.0	90.9	91.5	93.3	95.5	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.4
≥ 600	61.5	73.8	79.6	84.2	91.5	92.1	93.9	96.4	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.8
≥ 500	61.6	74.1	79.8	84.6	92.2	92.8	94.6	97.1	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.9
≥ 400	61.6	74.1	79.8	84.6	92.4	93.0	94.7	97.6	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.6
≥ 300	61.6	74.1	79.8	84.6	92.4	93.0	94.9	97.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.8
≥ 200	61.6	74.1	79.8	84.6	92.4	93.0	94.9	97.8	99.4	99.8	99.8	99.8	99.8	99.8	99.9	100.0
≥ 100	61.6	74.1	79.8	84.6	92.4	93.0	94.9	97.8	99.4	99.8	99.8	99.8	99.8	99.8	99.9	100.0
≥ 0	61.6	74.1	79.8	84.6	92.4	93.0	94.9	97.8	99.4	99.8	99.8	99.8	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14100
STATION

BITBURG AB DL
STATION NAME

73-81
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥0
NO CEILING	23.4	27.3	27.9	28.6	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 20000	27.9	32.3	33.3	34.3	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
≥ 18000	27.9	32.4	33.4	34.4	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
≥ 16000	28.0	32.7	33.6	34.7	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 14000	28.2	32.9	33.9	34.9	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
≥ 12000	28.9	33.6	34.6	35.6	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
≥ 10000	29.8	34.8	35.8	36.8	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
≥ 9500	30.1	35.3	36.5	37.6	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
≥ 8000	33.6	39.1	40.3	41.4	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 7000	34.8	40.4	41.6	42.7	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 6000	35.2	40.8	42.0	43.1	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 5000	39.7	44.9	46.2	47.4	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 4500	42.6	48.6	49.9	51.1	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 4000	47.1	53.6	55.0	56.3	56.8	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 3500	56.8	63.5	65.0	66.3	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 3000	63.6	71.8	73.2	74.6	75.2	75.2	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 2500	68.2	76.9	78.3	79.8	80.4	80.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2000	73.2	82.4	83.9	85.4	86.0	86.0	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 1800	73.7	83.0	84.4	86.0	86.7	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1500	77.6	87.8	89.4	91.0	92.2	92.2	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 1200	78.8	89.4	91.1	92.8	94.1	94.1	94.6	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1000	79.9	90.4	92.2	93.9	95.3	95.3	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 900	80.4	90.9	92.8	94.5	96.1	96.1	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 800	81.8	92.6	94.6	96.4	98.0	98.0	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700	81.8	92.7	94.7	96.5	98.1	98.1	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	81.8	92.7	94.7	96.7	98.2	98.2	98.9	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	81.8	92.7	94.7	96.7	98.4	98.4	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	81.8	92.7	94.7	96.7	98.4	98.4	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	81.8	92.7	94.7	96.7	98.4	98.4	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	81.8	92.7	94.7	96.7	98.4	98.4	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	81.8	92.7	94.7	96.7	98.4	98.4	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	81.8	92.7	94.7	96.7	98.4	98.4	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 836

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1-110 BITBURG AB OL

73-81

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	31.8	34.5	34.9	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 20000	36.3	40.0	40.5	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 18000	36.3	40.0	40.6	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 16000	36.3	40.0	40.6	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 14000	36.3	40.0	40.6	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 12000	37.6	41.6	42.2	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 10000	40.7	44.7	45.3	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 9000	42.3	46.4	47.0	47.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 8000	47.7	52.2	52.9	53.3	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 7000	48.4	53.0	53.8	54.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 6000	49.3	54.2	55.0	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 5000	57.1	62.6	63.4	63.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 4500	63.2	69.4	70.3	70.8	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 4000	70.7	77.9	78.7	79.3	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 3500	75.9	83.9	84.9	85.5	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 3000	78.4	86.7	88.2	88.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 2500	80.4	88.9	90.3	91.0	91.5	91.5	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 2000	82.2	91.0	92.7	93.5	94.1	94.1	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1800	82.3	91.2	92.8	93.9	94.5	94.5	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1500	83.6	92.7	94.4	95.6	96.3	96.3	96.3	96.5	96.5	96.5	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200	84.3	93.5	95.3	96.7	97.6	97.6	97.6	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000	84.8	94.0	95.8	97.1	98.2	98.2	98.3	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	84.9	94.1	96.1	97.4	98.4	98.4	98.6	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800	85.1	94.3	96.3	97.6	98.7	98.7	98.8	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	85.3	94.6	96.7	98.0	99.0	99.0	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	85.3	94.6	96.7	98.0	99.0	99.0	99.3	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	85.3	94.6	96.7	98.0	99.0	99.0	99.3	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	85.3	94.6	96.7	98.0	99.0	99.0	99.3	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	85.3	94.6	96.7	98.0	99.0	99.0	99.3	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	85.3	94.6	96.7	98.0	99.0	99.0	99.3	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	85.3	94.6	96.7	98.0	99.0	99.0	99.3	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	85.3	94.6	96.7	98.0	99.0	99.0	99.3	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 100

BITBURG AB DL

73-81

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	35.3	39.6	40.7	40.7	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
≥ 20000	40.8	46.0	47.1	47.1	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 18000	40.8	46.0	47.1	47.1	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 16000	40.8	46.0	47.1	47.1	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 14000	40.8	46.0	47.1	47.1	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 12000	41.7	46.9	48.0	48.0	48.6	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 10000	46.0	51.5	52.6	52.6	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 9000	47.7	53.3	54.4	54.4	55.0	55.0	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 8000	51.3	57.7	58.9	58.9	59.6	59.6	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 7000	53.1	59.9	61.1	61.1	61.8	61.8	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 6000	54.9	61.9	63.2	63.2	64.0	64.0	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 5000	60.1	67.5	69.7	69.7	69.8	69.8	70.1	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4500	64.4	72.7	74.4	74.6	75.4	75.4	75.7	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 4000	69.0	77.7	79.9	80.2	81.3	81.3	81.6	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 3500	71.7	81.2	83.5	83.8	85.0	85.0	85.4	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 3000	74.6	84.6	86.9	87.3	88.6	88.6	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 2500	75.2	85.9	88.5	88.9	90.2	90.2	90.7	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 2000	76.8	88.4	91.7	92.2	93.5	93.5	94.0	94.1	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1800	76.8	88.4	91.7	92.2	93.5	93.5	94.0	94.1	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1500	77.1	89.0	92.7	93.3	94.6	94.6	95.2	95.3	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1200	77.7	89.9	93.9	94.6	96.0	96.2	96.8	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1000	78.1	90.3	94.4	95.1	97.0	97.1	97.7	97.8	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 900	78.1	90.3	94.4	95.1	97.0	97.1	97.7	97.8	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 800	78.1	90.3	94.4	95.1	97.0	97.1	97.7	97.8	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 700	78.6	91.0	95.2	96.0	98.1	98.3	98.9	99.0	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	78.6	91.0	95.2	96.0	98.1	98.3	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	78.6	91.0	95.3	96.2	98.2	98.4	99.2	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	78.6	91.0	95.3	96.2	98.4	98.7	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	78.6	91.0	95.3	96.2	98.4	98.7	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	78.6	91.0	95.3	96.2	98.4	98.7	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	78.6	91.0	95.3	96.2	98.4	98.7	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	78.6	91.0	95.3	96.2	98.4	98.7	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 835

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
10100

STATION NAME
BITBURG AB DL

YEARS
73-81

MONTH
JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.V.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	29.5	34.1	35.5	36.0	37.2	37.5	38.0	38.1	38.3	38.4	38.4	38.4	38.4	38.5	38.5	38.6
≥ 20000	33.1	38.4	39.9	40.5	41.9	42.1	42.6	42.8	43.0	43.1	43.1	43.1	43.1	43.2	43.3	43.4
IV 18000	33.1	38.5	40.0	40.6	42.0	42.2	42.7	42.9	43.1	43.2	43.2	43.2	43.2	43.3	43.4	43.5
IV 16000	33.1	38.5	40.1	40.6	42.0	42.3	42.8	43.0	43.1	43.2	43.2	43.3	43.3	43.4	43.5	43.5
IV 14000	33.2	38.6	40.2	40.7	42.1	42.4	42.9	43.1	43.2	43.3	43.3	43.4	43.5	43.5	43.6	43.6
IV 12000	33.9	39.4	41.0	41.6	43.0	43.3	43.8	44.0	44.2	44.3	44.3	44.3	44.4	44.5	44.5	44.6
IV 10000	36.1	41.8	43.6	44.1	45.5	45.9	46.5	46.7	46.8	47.0	47.0	47.0	47.1	47.2	47.2	47.3
IV 9000	37.1	43.0	44.8	45.5	46.9	47.3	47.8	48.1	48.3	48.4	48.4	48.4	48.5	48.6	48.7	48.7
IV 8000	40.8	47.3	49.4	50.1	51.7	52.1	52.8	53.1	53.3	53.4	53.5	53.5	53.6	53.6	53.7	53.8
IV 7000	41.8	48.5	50.6	51.3	53.0	53.4	54.1	54.4	54.6	54.8	54.8	54.8	54.9	55.0	55.0	55.1
IV 6000	42.6	49.4	51.5	52.3	54.0	54.4	55.2	55.4	55.6	55.8	55.8	55.8	55.9	56.0	56.1	56.1
IV 5000	46.6	53.7	56.0	56.8	58.6	59.0	59.8	60.1	60.3	60.4	60.5	60.5	60.6	60.7	60.7	60.8
IV 4500	51.2	58.8	61.2	62.1	64.0	64.5	65.3	65.6	65.8	66.0	66.0	66.0	66.1	66.2	66.3	66.4
IV 4000	55.9	64.0	66.6	67.6	69.8	70.2	71.2	71.6	71.8	72.0	72.0	72.0	72.1	72.2	72.3	72.4
IV 3500	60.0	68.5	71.2	72.3	74.7	75.1	76.1	76.6	76.8	77.0	77.0	77.0	77.1	77.2	77.3	77.4
IV 3000	63.2	72.2	75.1	76.2	78.6	79.1	80.2	80.7	80.9	81.1	81.1	81.2	81.3	81.3	81.4	81.5
IV 2500	65.2	74.5	77.4	78.7	81.1	81.6	82.7	83.2	83.4	83.6	83.7	83.7	83.8	83.9	84.0	84.1
IV 2000	67.5	77.3	80.5	81.8	84.5	84.9	86.1	86.7	86.9	87.2	87.2	87.3	87.4	87.4	87.5	87.6
IV 1800	67.9	77.7	81.0	82.3	85.0	85.5	86.7	87.2	87.5	87.8	87.8	87.8	87.9	88.0	88.1	88.2
IV 1500	70.1	80.4	83.9	85.3	88.2	88.7	89.9	90.5	90.8	91.1	91.1	91.2	91.3	91.3	91.4	91.5
IV 1200	71.4	82.0	85.6	87.2	90.3	90.8	92.1	92.7	93.0	93.3	93.4	93.4	93.5	93.6	93.6	93.8
IV 1000	72.3	83.1	86.9	88.6	91.8	92.3	93.8	94.5	94.8	95.1	95.1	95.2	95.3	95.3	95.4	95.5
IV 900	72.6	83.3	87.2	88.8	92.2	92.7	94.2	94.9	95.2	95.6	95.6	95.6	95.7	95.8	95.9	96.0
IV 800	73.1	84.1	88.0	89.8	93.4	93.9	95.4	96.1	96.4	96.8	96.8	96.9	97.0	97.0	97.1	97.2
IV 700	73.6	84.6	88.6	90.5	94.1	94.6	96.2	97.0	97.3	97.7	97.7	97.7	97.8	97.9	98.0	98.1
IV 600	73.7	84.7	88.7	90.6	94.3	94.8	96.4	97.3	97.7	98.1	98.2	98.2	98.3	98.4	98.5	98.6
IV 500	73.8	84.8	88.8	90.8	94.7	95.2	96.9	97.8	98.3	98.7	98.8	98.8	98.9	99.0	99.1	99.2
IV 400	73.8	84.8	88.8	90.9	94.9	95.4	97.1	98.1	98.7	99.1	99.2	99.2	99.3	99.4	99.5	99.6
IV 300	73.8	84.8	88.8	90.9	94.9	95.4	97.2	98.2	98.8	99.2	99.3	99.3	99.4	99.5	99.6	99.7
IV 200	73.8	84.8	88.8	90.9	94.9	95.4	97.2	98.2	98.8	99.3	99.4	99.4	99.5	99.6	99.7	99.8
IV 100	73.8	84.8	88.8	90.9	94.9	95.4	97.2	98.2	98.8	99.3	99.4	99.4	99.5	99.6	99.7	99.8
IV 0	73.8	84.8	88.8	90.9	94.9	95.4	97.2	98.2	98.8	99.3	99.4	99.4	99.5	99.6	99.7	99.9

TOTAL NUMBER OF OBSERVATIONS 6690

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1100
STATION

EITBURG AB DL
STATION NAME

73-81
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING ≥ 20000	52.4	55.7	57.4	57.6	59.0	59.1	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.4	60.4
≥ 18000 ≥ 6000	55.7	59.9	61.5	62.0	63.9	64.0	65.0	65.2	65.2	65.4	65.4	65.4	65.4	65.4	65.5	65.5
≥ 14000 ≥ 2000	55.9	60.0	61.6	62.2	64.0	64.2	65.1	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.6	65.6
≥ 10000 ≥ 9000	55.9	60.0	61.6	62.2	64.0	64.2	65.1	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.6	65.6
≥ 8000 ≥ 7000	56.1	60.3	61.9	62.4	64.3	64.4	65.4	65.6	65.6	65.8	65.8	65.8	65.8	65.8	65.9	65.9
≥ 6000 ≥ 5000	57.8	63.1	64.7	65.5	67.8	67.9	69.0	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.5	69.5
≥ 4500 ≥ 4000	59.5	65.2	66.8	67.9	70.3	70.5	71.5	71.8	71.8	71.9	71.9	71.9	71.9	71.9	72.1	72.1
≥ 3500 ≥ 3000	62.6	68.6	70.3	71.4	74.2	74.3	75.4	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.9	75.9
≥ 2500 ≥ 2000	63.4	69.4	71.1	72.2	75.0	75.1	76.2	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.7	76.7
≥ 1800 ≥ 1500	63.4	69.4	71.1	72.2	75.0	75.1	76.2	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.7	76.7
≥ 1200 ≥ 1000	67.7	73.5	75.3	76.3	79.1	79.3	80.3	80.7	80.7	80.9	80.9	80.9	80.9	80.9	81.0	81.0
≥ 900 ≥ 800	71.1	77.7	79.4	80.6	83.4	83.7	84.8	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.4	85.4
≥ 700 ≥ 600	73.1	80.3	82.1	83.3	86.2	86.5	87.7	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.4	88.4
≥ 500 ≥ 400	73.7	81.3	83.0	84.2	87.2	87.6	88.8	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.4	89.4
≥ 300 ≥ 200	74.7	82.5	84.5	85.8	88.8	89.2	90.4	90.8	90.8	90.9	90.9	90.9	90.9	90.9	91.0	91.0
≥ 100 0	74.9	82.6	84.6	86.4	89.6	90.0	91.2	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.8	91.8
	75.7	83.4	85.4	87.2	90.9	91.3	92.6	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.3	93.3
	75.9	83.7	85.7	87.4	91.2	91.6	92.9	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.6	93.6
	76.7	84.5	86.8	88.5	92.5	92.9	94.3	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.9	94.9
	77.1	85.0	87.3	89.0	93.2	93.6	94.9	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.6	95.6
	77.5	85.4	87.7	89.4	93.7	94.1	95.6	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.4	96.4
	77.5	85.4	87.7	89.4	93.9	94.3	95.7	96.5	96.5	96.7	96.7	96.7	96.7	96.7	96.8	96.8
	77.7	85.7	88.0	90.0	94.4	94.8	96.3	97.1	97.3	97.5	97.5	97.5	97.5	97.5	97.6	97.6
	77.7	85.7	88.2	90.2	94.7	95.1	96.5	97.5	97.7	97.9	97.9	97.9	97.9	97.9	98.0	98.0
	77.7	85.7	88.2	90.2	94.8	95.2	96.7	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.3	98.3
	77.7	85.7	88.2	90.4	95.1	95.5	96.9	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.9	98.9
	77.7	85.7	88.2	90.4	95.1	95.5	96.9	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.9	98.9
	77.7	85.7	88.2	90.4	95.1	95.5	96.9	98.8	99.1	99.2	99.2	99.2	99.2	99.3	99.5	99.5
	77.7	85.7	88.2	90.4	95.1	95.5	96.9	98.8	99.1	99.2	99.2	99.2	99.2	99.3	99.7	99.9
	77.7	85.7	88.2	90.4	95.1	95.5	96.9	98.8	99.1	99.2	99.2	99.2	99.2	99.5	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 748

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 1100
STATION

BITBURG AB DL
STATION NAME

73-81
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/10	≥1/8	≥0
NO CEILING	44.7	48.0	50.5	51.1	54.7	55.2	56.8	57.7	57.8	57.9	57.9	57.9	57.9	57.9	58.1	58.1
≥ 20000	47.0	50.8	53.7	54.3	58.4	58.9	60.6	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.8	61.8
IN 18000	47.0	50.8	53.7	54.3	58.4	58.9	60.6	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.8	61.8
IN 16000	47.0	50.8	53.7	54.3	58.4	58.9	60.6	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.8	61.8
IN 14000	47.0	50.8	53.7	54.3	58.4	58.9	60.6	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.8	61.8
IN 12000	47.0	50.8	53.7	54.3	58.4	58.9	60.6	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.8	61.8
IN 10000	48.0	52.3	55.4	56.2	60.6	61.1	62.8	63.7	63.9	64.0	64.0	64.0	64.0	64.0	64.1	64.1
IN 9000	50.4	54.8	57.9	58.7	63.4	63.9	65.6	66.5	66.6	66.8	66.8	66.8	66.8	66.8	66.9	66.9
IN 8000	54.3	58.8	62.2	63.0	68.6	69.1	70.9	71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.2	72.2
IN 7000	54.5	59.1	62.5	63.2	68.9	69.4	71.2	72.0	72.2	72.3	72.3	72.3	72.3	72.3	72.4	72.4
IN 6000	54.7	59.2	62.6	63.4	69.1	69.6	71.4	72.3	72.4	72.5	72.5	72.5	72.5	72.5	72.7	72.7
IN 5000	56.7	61.7	65.2	66.0	72.0	72.5	74.3	75.3	75.4	75.6	75.6	75.6	75.6	75.7	75.8	75.8
IN 4500	59.6	65.1	68.9	69.6	75.7	76.2	78.3	79.3	79.5	79.6	79.6	79.6	79.6	79.7	79.8	79.8
IN 4000	61.8	67.5	71.5	72.4	79.0	79.5	81.7	82.7	82.9	83.0	83.0	83.0	83.1	83.1	83.2	83.2
IN 3500	62.6	68.3	72.5	73.4	80.1	80.6	82.9	83.9	84.0	84.1	84.1	84.1	84.3	84.3	84.4	84.4
IN 3000	63.5	69.6	74.3	75.2	82.0	82.5	84.8	85.8	85.9	86.1	86.1	86.1	86.3	86.3	86.4	86.4
IN 2500	63.9	70.0	74.7	75.6	82.4	82.9	85.3	86.3	86.4	86.6	86.6	86.6	86.8	86.8	86.9	86.9
IN 2000	69.2	70.4	75.1	76.1	83.1	83.8	86.4	87.4	87.5	87.8	87.8	87.8	87.9	87.9	88.0	88.0
IN 1800	64.4	70.5	75.2	76.2	83.2	83.9	86.5	87.5	87.7	87.9	87.9	87.9	88.0	88.0	88.2	88.2
IN 1500	65.4	71.9	76.6	77.7	84.9	85.6	88.4	89.5	89.7	89.9	89.9	89.9	90.1	90.1	90.2	90.2
IN 1200	65.9	72.5	77.3	78.8	86.1	86.9	89.7	90.8	90.9	91.2	91.2	91.2	91.3	91.3	91.4	91.4
IN 1000	65.9	72.5	77.7	79.2	86.6	87.4	90.4	91.8	91.9	92.2	92.2	92.2	92.3	92.3	92.4	92.4
IN 900	66.1	72.9	78.2	79.7	87.3	88.0	91.1	92.4	92.6	92.8	92.8	92.8	92.9	92.9	93.1	93.1
IN 800	66.2	73.0	78.3	80.0	87.7	88.4	91.4	92.9	93.1	93.3	93.3	93.3	93.5	93.5	93.6	93.6
IN 700	66.2	73.0	78.3	80.1	87.9	88.7	91.8	93.3	93.5	93.7	93.7	93.7	93.8	93.8	94.0	94.0
IN 600	66.2	73.0	78.3	80.1	88.2	88.9	92.4	94.1	94.2	94.5	94.5	94.5	94.6	94.6	94.7	94.7
IN 500	66.2	73.2	78.5	80.2	88.4	89.2	93.1	95.0	95.3	95.6	95.6	95.6	95.7	95.7	95.8	95.8
IN 400	66.2	73.2	78.5	80.2	88.5	89.4	93.6	95.6	96.6	96.9	96.9	96.9	97.0	97.0	97.1	97.1
IN 300	66.2	73.2	78.5	80.2	88.5	89.4	93.6	95.6	96.6	97.1	97.1	97.1	97.2	97.2	97.4	97.4
IN 200	66.2	73.2	78.5	80.2	88.5	89.4	93.6	96.1	97.1	97.7	97.7	97.7	98.0	98.0	98.2	98.2
IN 100	66.2	73.2	78.5	80.2	88.5	89.4	93.6	96.1	97.4	98.0	98.0	98.0	98.1	98.2	98.4	98.4
IN 0	66.2	73.2	78.5	80.2	88.5	89.4	93.6	96.1	97.4	98.0	98.0	98.0	98.1	98.2	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS

794

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 100

STATION NAME BITBURG AB DL

73-81

YEARS MONTH AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	26.4	37.2	34.2	35.1	39.3	39.7	42.2	43.7	44.7	45.8	46.1	46.1	46.1	46.1	46.4	46.6
≥ 20000	27.8	32.1	36.1	37.0	41.8	42.3	44.9	46.5	47.4	48.6	49.0	49.0	49.0	49.1	49.2	49.5
≥ 18000	27.8	32.1	36.1	37.0	41.8	42.3	44.9	46.5	47.4	48.6	49.0	49.0	49.0	49.1	49.2	49.5
≥ 16000	27.8	32.1	36.1	37.0	41.8	42.3	44.9	46.5	47.4	48.6	49.0	49.0	49.0	49.1	49.2	49.5
≥ 14000	27.8	32.1	36.1	37.0	41.9	42.4	45.0	46.6	47.6	48.7	49.1	49.1	49.1	49.2	49.3	49.6
≥ 12000	28.3	32.6	36.6	37.9	42.9	43.4	46.1	47.7	48.6	49.9	50.3	50.3	50.4	50.5	50.8	51.0
≥ 10000	29.2	34.3	38.7	40.3	45.5	46.0	48.7	50.3	51.3	52.8	53.2	53.2	53.3	53.4	53.6	53.9
≥ 9000	30.2	35.8	40.3	41.9	47.4	48.0	51.0	52.6	53.5	55.1	55.4	55.4	55.7	55.8	56.0	56.3
≥ 8000	33.0	39.1	43.7	45.4	52.1	52.9	56.2	57.7	58.7	60.6	60.9	60.9	61.3	61.4	61.6	61.9
≥ 7000	33.3	39.7	44.3	46.1	52.9	53.9	57.1	58.9	59.9	61.8	62.1	62.1	62.5	62.6	62.8	63.1
≥ 6000	33.8	40.3	44.9	46.7	53.5	54.5	57.7	59.6	60.6	62.5	62.8	62.8	63.2	63.3	63.6	63.8
≥ 5000	34.9	41.7	46.5	48.3	55.6	56.5	60.1	62.0	63.0	65.0	65.4	65.4	65.7	65.8	66.1	66.3
≥ 4500	36.7	43.8	48.6	50.7	58.2	59.4	63.6	65.7	66.7	68.7	69.1	69.2	69.5	69.7	69.9	70.1
≥ 4000	39.4	46.8	51.7	53.8	61.9	63.3	67.9	70.1	71.1	73.2	73.6	73.7	74.1	74.2	74.4	74.7
≥ 3500	40.4	47.9	52.9	55.0	63.1	64.5	69.2	71.4	72.4	74.6	74.9	75.0	75.4	75.5	75.7	76.7
≥ 3000	41.3	49.3	54.6	56.6	65.4	66.9	71.6	73.8	74.8	76.9	77.3	77.4	77.8	77.9	78.1	78.5
≥ 2500	42.2	50.2	55.7	57.9	66.9	68.5	73.4	75.9	76.9	79.1	79.5	79.6	79.9	80.0	80.3	80.6
≥ 2000	42.9	51.0	56.5	58.8	68.0	69.7	74.7	77.2	78.4	80.6	81.0	81.1	81.5	81.6	81.8	82.2
≥ 1800	42.9	51.1	56.6	58.9	68.1	69.8	74.9	77.4	78.6	81.0	81.4	81.5	81.8	82.0	82.2	82.6
≥ 1500	44.6	53.3	59.1	61.5	70.8	72.5	78.1	80.9	82.1	84.6	85.1	85.2	85.5	85.7	85.9	86.3
≥ 1200	45.2	54.2	60.1	62.6	72.0	73.7	79.5	82.7	83.9	86.4	86.9	87.0	87.3	87.5	87.7	88.1
≥ 1000	45.6	54.8	60.9	63.6	73.5	75.1	80.9	84.5	85.7	88.3	88.9	89.0	89.4	89.5	89.7	90.1
≥ 900	45.9	55.3	61.4	64.0	74.0	75.6	81.4	85.1	86.3	88.9	89.5	89.6	90.0	90.1	90.3	90.7
≥ 800	46.7	55.4	61.5	64.3	74.4	76.2	82.2	85.9	87.2	89.8	90.4	90.6	90.9	91.0	91.4	91.8
≥ 700	46.7	55.4	61.5	64.3	74.8	76.7	82.7	86.5	87.9	90.8	91.4	91.5	91.9	92.0	92.4	92.7
≥ 600	46.0	55.4	61.5	64.3	74.9	76.9	83.2	87.2	88.6	91.5	92.1	92.2	92.6	92.7	93.1	93.4
≥ 500	46.0	55.4	61.6	64.4	75.0	77.3	84.2	88.4	89.8	93.3	93.9	94.0	94.4	94.5	94.9	95.2
≥ 400	46.0	55.4	61.6	64.4	75.0	77.3	84.3	88.8	90.4	93.9	94.5	94.6	95.0	95.1	95.5	95.8
≥ 300	46.0	55.4	61.8	64.5	75.4	77.7	84.8	89.4	91.2	94.6	95.5	95.7	96.1	96.4	96.9	97.4
≥ 200	46.0	55.4	61.8	64.5	75.4	77.7	84.9	89.7	91.5	95.0	95.8	96.2	96.8	97.4	98.0	98.6
≥ 100	46.0	55.4	61.8	64.5	75.4	77.7	84.9	89.7	91.6	95.1	95.9	96.3	97.0	97.6	98.4	99.5
≥ 0	46.0	55.4	61.8	64.5	75.4	77.7	84.9	89.7	91.6	95.1	95.9	96.3	97.0	97.7	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 837

2
GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

100 BITBURG AB DL

73-81

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1970-1970
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2 1/2	≥2	≥1 1/2	≥1 1/4	≥1	≥3/4	≥1/2	≥1/4	≥1/8	≥0
NO CEILING	24.3	28.7	31.4	34.2	39.4	39.8	40.9	41.6	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 20000	26.3	31.5	34.5	37.4	43.2	43.6	44.7	45.4	45.9	46.1	46.2	46.2	46.2	46.2	46.2
≥ 18000	26.3	31.5	34.5	37.4	43.2	43.6	44.7	45.4	45.9	46.1	46.2	46.2	46.2	46.2	46.2
≥ 16000	26.4	31.7	34.6	37.5	43.4	43.7	44.8	45.5	46.0	46.2	46.4	46.4	46.4	46.4	46.4
≥ 14000	26.4	31.7	34.8	37.6	43.5	43.8	44.9	45.6	46.1	46.4	46.5	46.5	46.5	46.5	46.5
≥ 12000	26.9	32.5	35.6	38.5	44.7	45.7	46.1	46.8	47.3	47.7	47.8	47.8	47.8	47.8	47.8
≥ 10000	28.1	33.7	37.2	40.1	47.1	47.4	48.9	49.6	50.2	50.5	50.7	50.7	50.7	50.7	50.7
≥ 9000	29.5	35.2	38.8	41.9	49.1	49.5	50.9	51.7	52.3	52.7	52.8	52.8	52.8	52.9	52.9
≥ 8000	30.7	36.8	40.6	44.3	51.7	52.1	53.8	54.6	55.2	55.6	55.7	55.7	55.7	55.8	55.8
≥ 7000	31.4	37.5	41.5	45.4	53.0	53.4	55.1	55.9	56.6	57.0	57.1	57.1	57.1	57.2	57.2
≥ 6000	31.9	38.7	41.9	45.9	53.5	54.0	55.7	56.5	57.2	57.6	57.7	57.7	57.7	57.8	57.8
≥ 5000	32.6	38.8	43.1	47.2	55.3	55.8	57.6	58.4	59.1	59.5	59.6	59.6	59.6	59.7	59.7
≥ 4500	34.9	41.6	45.9	49.9	58.3	58.9	61.3	62.2	63.0	63.4	63.6	63.6	63.6	63.7	63.7
≥ 4000	36.4	43.2	47.6	51.7	60.5	61.3	64.0	65.0	65.7	66.2	66.3	66.3	66.3	66.4	66.4
≥ 3500	38.4	45.4	49.9	54.1	63.3	64.2	67.0	68.0	68.7	69.2	69.3	69.3	69.3	69.4	69.4
≥ 3000	41.2	48.6	53.2	57.3	67.0	67.9	70.8	71.8	72.5	73.1	73.2	73.2	73.2	73.4	73.4
≥ 2500	42.4	49.9	54.6	59.0	68.9	69.8	72.8	73.8	74.6	75.1	75.3	75.3	75.3	75.4	75.4
≥ 2000	44.6	52.4	57.3	61.9	72.2	73.0	76.2	77.4	78.1	78.7	78.9	78.9	78.9	79.0	79.0
≥ 1800	44.9	53.3	58.2	62.7	73.4	74.2	77.5	78.7	79.5	80.0	80.2	80.2	80.2	80.3	80.3
≥ 1500	47.3	56.0	61.6	66.4	77.1	78.1	81.8	83.3	84.0	84.6	84.7	84.7	84.7	84.8	84.8
≥ 1200	48.5	57.3	63.2	68.5	80.0	81.1	84.9	86.6	87.5	88.1	88.2	88.2	88.2	88.3	88.3
≥ 1000	49.8	59.7	65.0	70.6	82.7	83.9	87.7	89.5	90.3	90.9	91.0	91.0	91.0	91.2	91.2
≥ 900	49.9	59.1	65.1	70.7	82.8	84.0	87.9	89.7	90.7	91.3	91.4	91.4	91.4	91.5	91.5
≥ 800	50.3	59.7	65.8	71.9	84.3	85.5	89.5	91.3	92.4	93.0	93.1	93.1	93.1	93.2	93.2
≥ 700	50.3	59.7	66.1	72.4	85.2	86.5	90.4	92.4	93.5	94.1	94.3	94.3	94.3	94.4	94.4
≥ 600	50.5	60.0	66.3	72.6	85.7	87.2	91.3	93.3	94.5	95.1	95.2	95.2	95.2	95.3	95.3
≥ 500	50.5	60.1	66.4	72.9	86.3	87.9	92.1	94.5	96.1	96.9	97.0	97.0	97.0	97.1	97.1
≥ 400	50.5	60.1	66.4	72.9	86.3	87.9	92.2	95.0	96.7	97.5	97.6	97.6	97.6	97.7	97.7
≥ 300	50.5	60.1	66.4	72.9	86.3	87.9	92.2	95.2	97.1	98.1	98.2	98.2	98.2	98.6	98.6
≥ 200	50.5	60.1	66.4	72.9	86.3	87.9	92.2	95.2	97.1	98.6	98.7	98.8	99.2	99.4	99.4
≥ 100	50.5	60.1	66.4	72.9	86.3	87.9	92.2	95.2	97.1	98.6	98.7	98.8	99.3	99.5	99.6
≥ 0	50.5	60.1	66.4	72.9	86.3	87.9	92.2	95.2	97.1	98.7	98.8	98.9	99.4	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATMOSPHERIC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
1110

STATION NAME
BITBURG AB DL

YEARS
73-81

MONTH
AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING ≥ 20000	31.1	35.5	36.5	37.5	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 18000	35.8	41.1	42.2	43.3	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 16000	35.8	41.2	42.3	43.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 14000	35.9	41.3	42.4	43.5	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 12000	37.3	42.8	44.2	45.1	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 10000	39.2	44.9	46.1	47.2	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 9000	40.7	46.8	48.0	49.3	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 8000	42.3	48.8	50.0	51.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 7000	43.3	49.9	51.1	52.5	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 6000	43.5	50.4	51.6	52.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 5000	46.6	53.8	55.7	56.4	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 4500	50.3	57.7	58.9	60.4	62.9	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 4000	53.7	61.9	63.4	65.0	67.8	67.8	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 3500	58.9	67.3	68.9	70.6	73.4	73.4	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 3000	64.8	73.5	75.6	77.5	80.8	80.8	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 2500	67.4	76.3	78.4	80.3	83.6	83.6	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 2000	70.2	79.7	82.1	84.1	87.7	87.7	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1800	71.1	80.8	83.2	85.3	89.0	89.0	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1500	73.0	83.5	86.2	88.5	92.5	92.5	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1200	74.3	84.9	87.6	90.1	94.1	94.1	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1000	74.6	85.8	88.6	91.1	95.1	95.1	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 900	75.7	86.2	89.0	91.4	95.8	95.8	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800	75.7	86.9	89.7	92.4	96.9	96.9	97.4	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	76.3	87.5	91.4	93.4	97.9	97.9	98.4	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	76.3	87.5	91.6	93.6	98.2	98.2	98.8	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	76.3	87.5	90.6	93.6	98.4	98.4	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	76.3	87.5	90.6	93.6	98.5	98.5	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	76.3	87.5	90.6	93.6	98.5	98.5	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	76.3	87.5	90.6	93.6	98.5	98.5	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	76.3	87.5	90.6	93.6	98.5	98.5	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	76.3	87.5	90.6	93.6	98.5	98.5	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 816

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

130 BITBURG AB DL

73-81

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING	32.8	35.1	35.1	35.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
≥ 20000	39.3	42.9	42.9	43.1	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 18000	39.3	42.9	42.9	43.1	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 16000	39.3	42.9	42.9	43.1	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 14000	39.3	42.9	42.9	43.1	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 12000	40.8	43.9	44.0	44.2	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 10000	42.1	46.2	46.5	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 9000	43.4	47.8	48.1	48.3	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 8000	48.3	53.2	53.4	53.7	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 7000	48.5	53.4	53.7	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 6000	49.2	54.2	54.4	54.6	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 5000	53.8	59.0	59.2	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 4500	61.3	67.3	67.7	68.0	68.6	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 4000	68.8	75.2	75.6	76.0	77.0	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 3500	74.6	81.4	82.0	82.4	83.5	83.5	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3000	79.7	87.0	87.6	88.1	89.2	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 2500	81.5	89.3	90.0	90.5	91.7	91.7	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 2000	84.4	92.6	93.2	93.8	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1800	84.6	92.8	93.4	94.1	95.9	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1500	85.3	93.7	94.3	94.9	96.9	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1200	85.3	94.3	94.9	95.5	97.8	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000	85.6	94.7	95.3	95.9	98.1	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 900	85.7	94.8	95.4	96.0	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 800	86.1	95.2	95.8	96.4	98.6	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700	86.7	95.8	96.4	97.0	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	86.7	95.8	96.4	97.0	99.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	86.7	95.8	96.4	97.0	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	86.7	95.8	96.4	97.0	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	86.7	95.8	96.4	97.0	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	86.7	95.8	96.4	97.0	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	86.7	95.8	96.4	97.0	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	86.7	95.8	96.4	97.0	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

807

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 110 BITBURG AB DL

73-81

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1600-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥0	≥0
NO CEILING ≥ 20000	39.6	42.5	42.5	42.5	43.0	43.0	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 18000 ≥ 16000	46.3	50.7	50.8	50.8	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 14000 ≥ 12000	46.3	50.7	50.8	50.8	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 10000 ≥ 9000	46.4	50.8	51.0	51.0	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 8000 ≥ 7000	47.8	52.3	52.4	52.4	53.3	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 6000 ≥ 5000	50.6	55.4	55.5	55.5	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 4500 ≥ 4000	52.5	57.6	57.8	57.8	58.7	58.7	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 3500 ≥ 3000	58.1	63.5	63.6	63.6	64.5	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 2500 ≥ 2000	59.2	64.7	64.8	64.8	65.7	65.7	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 1800 ≥ 1500	59.8	65.3	65.6	65.6	66.5	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 1200 ≥ 1000	65.2	71.3	71.6	71.6	72.8	72.8	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 900 ≥ 800	71.1	77.8	78.2	78.2	79.7	79.7	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 700 ≥ 600	76.8	84.2	84.6	84.6	86.0	86.0	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 500 ≥ 400	79.1	86.7	87.2	87.4	88.9	89.0	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 300 ≥ 200	81.6	89.8	90.5	90.6	92.4	92.6	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 100 ≥ 0	82.8	91.1	91.9	92.2	94.1	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 0	84.6	93.1	93.9	94.4	96.9	97.1	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 0	84.7	93.2	94.0	94.5	97.0	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 0	85.3	93.7	94.7	95.2	97.8	98.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 0	85.4	94.1	95.2	95.7	98.4	98.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 0	85.4	94.1	95.2	95.7	98.6	98.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	85.4	94.1	95.2	95.7	98.6	98.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	85.4	94.1	95.2	95.7	98.6	98.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	85.5	94.3	95.3	95.8	98.7	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	85.7	94.4	95.4	96.0	98.8	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	85.7	94.4	95.4	96.0	99.0	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	85.7	94.4	95.4	96.0	99.0	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	85.7	94.4	95.4	96.0	99.0	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	85.7	94.4	95.4	96.0	99.0	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	85.7	94.4	95.4	96.0	99.0	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 767

GLOBAL CLIMATOLOGY BRANCH
WFFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
100

STATION NAME
BITBURG AB DL

YEARS
73-81

MONTH
AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)
2100-2300

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	48.8	52.0	52.5	52.7	53.9	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 20000	56.1	59.8	60.3	60.6	62.6	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 18000	56.1	59.8	60.3	60.6	62.6	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 16000	56.1	59.8	60.3	60.6	62.6	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 14000	56.1	59.8	60.3	60.6	62.6	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 12000	57.1	60.7	61.2	61.5	63.8	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 10000	59.8	64.3	65.2	65.6	67.9	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 9000	61.0	65.6	67.0	67.4	69.9	70.3	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 8000	65.1	70.2	71.8	72.2	74.7	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 7000	65.6	70.7	72.3	72.7	75.3	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 6000	65.9	71.0	72.6	73.0	75.5	75.9	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 5000	68.4	74.5	76.2	76.6	79.1	79.5	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 4500	72.1	78.6	80.5	81.0	83.8	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 4000	75.3	82.6	84.5	85.2	88.0	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 3500	77.3	85.2	87.3	88.0	90.8	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 3000	78.7	86.8	89.0	89.7	92.9	93.3	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 2500	79.5	87.7	90.1	90.8	94.0	94.4	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 2000	80.7	89.2	91.6	92.5	96.0	96.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1800	80.7	89.2	91.6	92.5	96.0	96.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1600	80.7	89.2	91.6	92.5	96.0	96.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1400	80.7	89.2	91.6	92.5	96.0	96.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1200	80.7	89.2	91.6	92.5	96.0	96.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1000	81.0	89.4	92.0	92.9	96.9	97.5	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 900	81.0	89.4	92.0	92.9	96.9	97.5	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 800	81.0	89.4	92.0	92.9	96.9	97.5	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 700	81.0	89.4	92.0	92.9	96.9	97.5	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 600	81.0	89.4	92.0	92.9	96.9	97.5	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 500	81.0	89.4	92.0	92.9	96.9	97.5	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 400	81.0	89.4	92.0	92.9	96.9	97.5	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 300	81.0	89.4	92.0	92.9	96.9	97.5	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 200	81.0	89.4	92.0	92.9	96.9	97.5	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 100	81.0	89.4	92.0	92.9	96.9	97.5	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 0	81.0	89.4	92.0	92.9	96.9	97.5	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS 748

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 110 BITBURG AB OL

73-81

AUG

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING ≥ 20000	37.1	40.6	42.2	42.9	45.1	45.3	46.1	46.6	46.8	46.9	47.0	47.0	47.0	47.0	47.0	47.1
≥ 18000 ≥ 16000	41.3	45.7	47.3	48.2	50.9	51.1	52.0	52.4	52.6	52.8	52.9	52.9	52.9	52.9	53.0	53.0
≥ 14000 ≥ 12000	41.4	45.7	47.4	48.2	50.9	51.1	52.0	52.4	52.6	52.9	52.9	52.9	52.9	53.0	53.0	53.1
≥ 10000 ≥ 9000	41.4	45.7	47.4	48.3	51.0	51.2	52.1	52.5	52.7	52.9	53.0	53.0	53.0	53.0	53.1	53.1
≥ 8000 ≥ 7000	42.1	46.5	48.3	49.2	52.0	52.2	53.1	53.5	53.7	54.0	54.0	54.0	54.0	54.1	54.1	54.1
≥ 6000 ≥ 5000	43.9	48.8	50.7	51.7	54.8	55.0	56.0	56.4	56.6	56.9	57.1	57.0	57.0	57.0	57.1	57.1
≥ 4500 ≥ 4000	45.4	50.7	52.7	53.7	56.9	57.2	58.2	58.6	58.9	59.1	59.2	59.2	59.2	59.2	59.3	59.4
≥ 3500 ≥ 3000	48.8	54.4	56.5	57.7	61.3	61.5	62.6	63.1	63.3	63.6	63.7	63.7	63.8	63.8	63.8	63.9
≥ 2500 ≥ 2000	49.4	55.0	57.2	58.4	62.0	62.3	63.4	63.9	64.2	64.5	64.6	64.6	64.6	64.7	64.7	64.7
≥ 1800 ≥ 1500	49.8	55.5	57.6	58.9	62.5	62.8	63.9	64.4	64.7	65.0	65.1	65.1	65.1	65.2	65.2	65.2
≥ 1200 ≥ 1000	52.6	58.8	61.0	62.3	66.1	66.4	67.6	68.1	68.4	68.7	68.8	68.8	68.8	68.9	68.9	68.9
≥ 900 ≥ 800	56.5	63.1	65.5	66.8	70.9	71.3	72.7	73.3	73.6	73.9	74.0	74.0	74.1	74.1	74.2	74.2
≥ 700 ≥ 600	60.1	67.2	69.6	71.0	75.4	75.8	77.4	78.0	78.3	78.6	78.7	78.7	78.8	78.8	78.9	78.9
≥ 500 ≥ 400	62.6	69.9	72.5	73.9	78.4	78.8	80.5	81.1	81.4	81.7	81.8	81.8	81.9	81.9	82.0	82.0
≥ 300 ≥ 200	65.2	72.9	75.7	77.1	81.9	82.4	84.1	84.7	85.0	85.4	85.4	85.5	85.5	85.6	85.6	85.7
≥ 100 ≥ 0	66.3	74.1	77.0	78.6	83.5	84.0	85.8	86.4	86.7	87.1	87.2	87.2	87.3	87.3	87.3	87.4
≥ 1800 ≥ 1500	67.9	76.0	78.9	80.7	86.0	86.5	88.4	89.1	89.4	89.8	89.8	89.9	89.9	90.0	90.0	90.1
≥ 1200 ≥ 1000	68.2	76.3	79.3	81.0	86.4	86.9	88.9	89.5	89.8	90.3	90.3	90.3	90.4	90.4	90.5	90.5
≥ 900 ≥ 800	69.3	77.8	81.0	82.8	88.3	88.9	91.0	91.7	92.0	92.4	92.5	92.5	92.6	92.7	92.7	92.7
≥ 700 ≥ 600	69.8	78.5	81.8	83.8	89.5	90.1	92.2	93.1	93.4	93.8	93.9	93.9	94.0	94.0	94.1	94.1
≥ 500 ≥ 400	70.2	79.1	82.4	84.5	90.4	91.0	93.2	94.2	94.5	94.9	95.0	95.0	95.1	95.2	95.2	95.2
≥ 300 ≥ 200	70.4	79.2	82.6	84.7	90.7	91.3	93.5	94.5	94.8	95.3	95.4	95.4	95.5	95.5	95.6	95.6
≥ 100 ≥ 0	70.6	79.5	83.1	85.2	91.3	91.9	94.1	95.2	95.6	96.1	96.2	96.2	96.3	96.3	96.4	96.4
≥ 1800 ≥ 1500	70.8	79.7	83.2	85.5	91.8	92.4	94.6	95.8	96.2	96.7	96.8	96.8	96.9	96.9	97.0	97.0
≥ 1200 ≥ 1000	70.8	79.8	83.3	85.6	92.0	92.7	95.0	96.3	96.7	97.2	97.3	97.3	97.4	97.4	97.5	97.5
≥ 900 ≥ 800	70.8	79.8	83.3	85.7	92.2	92.9	95.4	96.8	97.3	98.0	98.0	98.1	98.1	98.2	98.2	98.3
≥ 700 ≥ 600	70.8	79.8	83.3	85.7	92.2	93.0	95.5	97.1	97.7	98.3	98.4	98.4	98.5	98.5	98.6	98.6
≥ 500 ≥ 400	70.8	79.8	83.3	85.7	92.3	93.0	95.6	97.2	97.9	98.5	98.6	98.7	98.8	98.9	98.9	99.0
≥ 300 ≥ 200	70.8	79.8	83.3	85.7	92.3	93.0	95.6	97.3	98.0	98.8	98.9	99.0	99.1	99.2	99.4	99.5
≥ 100 ≥ 0	70.8	79.8	83.3	85.7	92.3	93.0	95.6	97.3	98.1	98.8	98.9	99.0	99.2	99.4	99.5	99.9
≥ 100 ≥ 0	70.8	79.8	83.3	85.7	92.3	93.0	95.6	97.3	98.1	98.8	98.9	99.0	99.2	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 6354

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
LAFETAC
AT: WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
130

STATION NAME
BITBURG AB DL

YEARS
73-81

MONTH
SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2000-0200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	42.5	46.2	48.9	49.6	52.8	53.6	55.7	56.7	57.0	57.3	57.4	57.4	57.4	57.4	57.9	58.0
≥ 20000	45.2	49.3	52.6	53.3	57.1	57.9	60.0	61.0	61.4	61.6	61.7	61.7	61.9	61.9	62.3	62.5
≥ 18000	45.2	49.3	52.6	53.3	57.0	57.9	60.0	61.0	61.4	61.6	61.7	61.7	61.9	61.9	62.3	62.5
≥ 16000	45.2	49.3	52.6	53.3	57.0	57.9	60.0	61.0	61.4	61.6	61.7	61.7	61.9	61.9	62.3	62.5
≥ 14000	45.3	49.4	52.7	53.5	57.2	58.0	60.1	61.1	61.5	61.7	61.9	61.9	62.0	62.0	62.5	62.6
≥ 12000	45.4	49.6	53.0	53.8	57.8	58.6	60.7	61.7	62.1	62.3	62.5	62.5	62.6	62.6	63.1	63.2
≥ 10000	46.8	51.1	54.7	55.6	59.8	60.7	63.1	64.1	64.4	64.7	64.8	64.8	64.9	64.9	65.4	65.6
≥ 9000	47.7	52.0	55.7	56.8	61.0	62.0	64.3	65.3	65.7	65.9	66.0	66.0	66.2	66.2	66.7	66.8
≥ 8000	50.1	55.1	58.9	60.2	64.7	65.7	68.0	69.0	69.6	69.9	70.0	70.0	70.1	70.1	70.6	70.7
≥ 7000	50.5	55.6	59.4	60.7	65.3	66.3	68.6	69.6	70.2	70.5	70.6	70.6	70.7	70.7	71.2	71.4
≥ 6000	50.5	55.6	59.5	60.9	65.4	66.4	68.8	69.8	70.4	70.6	70.7	70.7	70.9	70.9	71.4	71.5
≥ 5000	52.8	58.0	62.3	63.7	68.3	69.3	71.6	72.6	73.2	73.5	73.6	73.6	73.7	73.7	74.2	74.3
≥ 4500	56.2	62.2	66.5	67.9	72.6	73.6	76.3	77.3	77.9	78.1	78.3	78.3	78.4	78.5	79.1	79.3
≥ 4000	59.8	65.8	70.1	71.5	76.5	77.5	80.2	81.2	81.9	82.1	82.2	82.2	82.3	82.5	83.1	83.2
≥ 3500	61.2	67.4	71.7	73.1	78.1	79.1	81.9	82.8	83.6	83.8	84.0	84.0	84.1	84.2	84.8	84.9
≥ 3000	63.5	69.9	74.3	75.7	81.0	82.0	84.9	86.0	86.8	87.0	87.2	87.2	87.3	87.4	88.0	88.1
≥ 2500	64.7	71.2	75.7	77.2	82.5	83.5	86.4	87.5	88.3	88.5	88.6	88.6	88.8	88.9	89.5	89.6
≥ 2000	66.0	72.8	77.3	78.9	84.2	85.2	88.3	89.5	90.2	90.5	90.6	90.6	90.7	90.9	91.7	91.9
≥ 1800	66.2	73.0	77.4	79.0	84.3	85.3	88.4	89.6	90.4	90.6	90.7	90.7	90.9	91.0	91.9	92.0
≥ 1500	66.4	73.2	77.7	79.4	84.8	85.8	88.9	90.1	90.9	91.1	91.2	91.2	91.4	91.5	92.3	92.5
≥ 1200	67.3	74.2	78.6	80.4	86.3	87.3	90.5	91.7	92.5	92.7	92.8	92.8	93.0	93.1	94.0	94.1
≥ 1000	67.9	74.9	79.5	81.2	87.2	88.1	91.4	92.6	93.3	93.6	93.7	93.7	93.8	94.0	94.8	94.9
≥ 900	68.1	75.3	79.9	81.6	87.5	88.5	92.1	93.3	94.1	94.3	94.4	94.4	94.6	94.7	95.6	95.7
≥ 800	68.4	75.7	80.4	82.1	88.0	89.0	92.6	93.8	94.6	94.8	94.9	94.9	95.1	95.2	96.0	96.2
≥ 700	68.8	76.3	81.1	83.0	89.1	90.1	93.8	95.1	95.8	96.0	96.2	96.2	96.3	96.4	97.3	97.4
≥ 600	69.1	76.7	81.7	83.6	89.8	90.7	94.4	95.7	96.4	96.7	96.8	96.8	96.9	97.0	97.9	98.0
≥ 500	69.1	76.7	82.1	84.0	90.2	91.2	95.2	96.5	97.5	97.8	97.9	97.9	98.0	98.1	99.0	99.1
≥ 400	69.1	76.7	82.1	84.0	90.2	91.2	95.2	96.7	97.7	97.9	98.0	98.0	98.3	98.4	99.3	99.4
≥ 300	69.1	76.7	82.1	84.0	90.2	91.2	95.3	96.8	97.8	98.0	98.1	98.1	98.5	98.6	99.5	99.6
≥ 200	69.1	76.7	82.1	84.0	90.2	91.2	95.3	96.8	97.8	98.0	98.1	98.1	98.5	98.6	99.5	99.6
≥ 100	69.1	76.7	82.1	84.0	90.2	91.2	95.3	96.8	97.8	98.1	98.3	98.3	98.6	98.8	99.6	99.9
≥ 0	69.1	76.7	82.1	84.0	90.2	91.2	95.3	96.8	97.8	98.1	98.3	98.3	98.6	98.8	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
17100

STATION NAME
BITBURG AB DL

YEARS
73-81

MONTH
SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.C.V.)
3300-0500

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	29.4	33.6	36.5	37.3	40.7	41.6	44.2	46.3	46.8	48.5	49.1	49.1	49.3	49.6	50.5	51.7
IV 18000	31.5	36.0	39.0	39.8	43.3	44.3	46.9	49.0	49.6	51.4	52.0	52.0	52.1	52.5	53.3	54.6
IV 16000	31.5	36.0	39.0	39.8	43.3	44.3	46.9	49.0	49.6	51.4	52.0	52.0	52.1	52.5	53.3	54.6
IV 14000	31.6	36.2	39.1	39.9	43.5	44.4	47.0	49.1	49.8	51.5	52.1	52.1	52.2	52.6	53.5	54.7
IV 12000	31.6	36.2	39.1	39.9	43.5	44.4	47.0	49.1	49.8	51.5	52.1	52.1	52.2	52.6	53.5	54.7
IV 10000	32.5	37.0	40.2	41.0	44.8	45.9	48.8	51.0	51.7	53.5	54.1	54.1	54.2	54.6	55.4	56.7
IV 9000	33.2	37.8	41.0	42.1	45.9	47.0	49.9	52.1	52.8	54.6	55.2	55.2	55.3	55.7	56.5	57.8
IV 8000	34.6	39.3	42.8	44.0	48.1	49.3	52.3	54.7	55.7	57.4	58.0	58.0	58.1	58.5	59.5	60.7
IV 7000	35.1	39.8	43.3	44.4	48.6	49.8	52.8	55.2	56.2	57.9	58.5	58.5	58.6	59.0	60.0	61.2
IV 6000	35.2	39.9	43.5	44.6	48.8	49.9	53.0	55.3	56.3	58.0	58.6	58.6	58.8	59.1	60.1	61.4
IV 5000	37.9	42.7	46.4	47.7	52.6	53.7	57.0	59.4	60.4	62.1	62.7	62.7	62.8	63.2	64.2	65.4
IV 4500	40.0	45.1	48.8	50.1	55.4	56.7	60.0	62.3	63.3	65.1	65.7	65.7	65.8	66.2	67.2	68.4
IV 4000	43.2	49.3	53.1	54.6	60.0	61.2	64.7	67.0	68.1	69.9	70.5	70.5	70.6	71.0	72.0	73.2
IV 3500	44.6	51.1	54.9	56.4	62.5	63.8	67.4	70.0	71.4	73.1	73.7	73.7	73.8	74.2	75.2	76.4
IV 3000	45.8	52.8	56.7	58.1	64.7	66.0	69.6	72.6	74.0	75.7	76.3	76.3	76.4	76.8	77.8	79.0
IV 2500	46.9	54.2	58.0	59.5	66.2	67.5	71.1	74.1	75.4	77.2	77.8	77.8	77.9	78.3	79.3	80.5
IV 2000	47.5	55.4	59.4	61.1	67.9	69.3	73.0	76.0	77.4	79.3	79.9	79.9	80.1	80.5	81.6	82.8
IV 1800	48.4	56.5	60.5	62.2	69.4	70.7	74.4	77.5	78.9	80.9	81.5	81.5	81.7	82.1	83.2	84.4
IV 1500	49.5	57.7	61.9	63.8	71.2	72.6	76.3	79.4	80.9	82.8	83.5	83.5	83.7	84.1	85.2	86.4
IV 1200	51.2	59.8	64.0	66.0	73.7	75.1	78.8	82.0	83.5	85.4	86.0	86.0	86.3	86.7	87.8	89.0
IV 1000	52.1	60.7	65.3	67.7	75.3	76.7	80.6	83.8	85.3	87.4	88.1	88.1	88.4	88.8	89.9	91.1
IV 900	52.3	61.0	65.7	68.1	75.8	77.2	81.1	84.6	86.2	88.3	89.0	89.0	89.3	89.6	90.7	92.0
IV 800	52.7	62.0	66.9	69.6	77.5	78.9	82.8	86.3	87.9	90.1	90.9	90.9	91.1	91.5	92.6	93.8
IV 700	53.2	62.6	67.5	70.5	78.5	79.9	84.1	87.5	89.3	91.5	92.2	92.2	92.5	92.8	94.0	95.2
IV 600	53.5	62.8	68.0	71.0	79.0	80.4	84.7	88.1	89.9	92.1	92.8	92.8	93.1	93.5	94.6	95.8
IV 500	53.6	63.0	68.4	71.4	79.4	80.7	85.1	88.5	90.4	92.6	93.3	93.3	93.6	94.0	95.1	96.3
IV 400	53.6	63.0	68.4	71.4	79.5	80.9	85.2	88.6	90.7	93.0	93.7	93.7	94.0	94.3	95.4	96.7
IV 300	53.6	63.0	68.4	71.4	79.8	81.2	85.6	89.0	91.1	93.5	94.2	94.2	94.4	94.8	95.9	97.2
IV 200	53.6	63.0	68.4	71.4	79.8	81.2	85.6	89.0	91.2	93.6	94.3	94.3	94.8	95.2	96.4	98.0
IV 100	53.6	63.0	68.4	71.4	79.8	81.2	85.6	89.0	91.2	93.7	94.4	94.4	95.1	95.4	96.8	99.4
IV 0	53.6	63.0	68.4	71.4	79.8	81.2	85.6	89.0	91.2	93.7	94.4	94.4	95.2	96.0	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 610

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1100 BITBURG AB DL

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2600-0800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	18.5	21.9	24.6	25.4	30.0	31.4	33.7	36.5	38.4	39.3	40.9	41.1	41.4	42.5	43.6	44.2
≥ 20000	19.6	23.6	26.4	27.4	32.3	33.7	36.5	38.4	39.3	40.9	41.1	41.4	42.5	43.6	44.2	45.7
≥ 18000	19.6	23.6	26.4	27.4	32.3	33.7	36.5	38.4	39.3	40.9	41.1	41.4	42.5	43.6	44.2	45.7
≥ 16000	19.6	23.6	26.4	27.4	32.3	33.7	36.5	38.4	39.3	40.9	41.1	41.4	42.5	43.6	44.2	45.7
≥ 14000	19.6	23.6	26.4	27.4	32.3	33.7	36.5	38.4	39.3	40.9	41.1	41.4	42.5	43.6	44.2	45.7
≥ 12000	19.6	23.6	26.4	27.4	32.3	33.7	36.5	38.4	39.3	40.9	41.1	41.4	42.5	43.6	44.2	45.8
≥ 10000	20.6	24.6	27.4	28.5	33.5	34.8	38.0	39.9	40.7	42.3	42.7	43.1	44.2	45.6	46.2	47.8
≥ 9500	21.0	25.1	28.0	29.3	34.3	35.8	39.1	41.0	41.9	43.5	43.8	44.2	45.4	46.8	47.4	49.0
≥ 8000	21.7	26.2	29.3	30.9	36.3	37.9	41.5	43.5	44.3	45.9	46.3	46.7	48.0	49.5	50.1	51.9
≥ 7000	22.1	26.7	29.8	31.4	37.0	38.6	42.2	44.2	45.1	46.7	47.0	47.4	48.9	50.4	51.0	52.7
≥ 6000	22.3	26.9	30.0	31.6	37.3	39.0	42.6	44.6	45.6	47.2	47.5	47.9	49.4	50.9	51.5	53.2
≥ 5000	23.0	27.7	31.0	32.8	39.4	41.2	45.2	47.2	48.1	49.8	50.1	50.6	52.1	53.7	54.3	56.0
≥ 4500	25.1	30.1	33.8	35.9	42.7	44.7	48.8	50.7	51.9	53.5	53.8	54.3	55.8	57.4	58.0	59.9
≥ 4000	27.5	33.0	37.2	39.6	47.0	49.0	53.2	55.2	56.4	58.1	58.5	59.0	60.5	62.1	62.7	64.7
≥ 3500	28.4	34.3	38.5	41.6	49.1	51.1	55.6	57.8	59.3	61.0	61.5	62.0	63.5	65.1	65.7	67.7
≥ 3000	30.2	36.2	40.5	43.8	51.4	53.3	57.8	60.0	61.7	63.6	64.2	64.7	66.2	67.9	68.5	70.5
≥ 2500	31.2	37.5	41.9	45.2	53.0	54.9	59.5	61.7	63.5	65.3	65.9	66.4	67.9	69.6	70.2	72.2
≥ 2000	32.3	38.8	43.1	46.4	54.3	56.4	61.1	63.8	65.9	67.8	68.4	68.9	70.4	72.1	72.7	74.7
≥ 1800	32.3	39.3	43.6	46.9	54.9	57.2	62.1	64.9	67.0	68.9	69.5	70.0	71.5	73.2	73.8	75.8
≥ 1500	35.9	42.6	47.2	50.7	59.5	61.9	67.0	69.9	72.1	74.1	74.7	75.2	76.7	78.4	79.0	81.0
≥ 1200	37.8	44.7	49.4	53.1	62.3	64.7	70.1	73.0	75.3	77.4	78.0	78.5	80.0	81.7	82.3	84.3
≥ 1000	38.8	45.9	50.6	54.3	63.7	66.0	71.5	74.3	76.7	78.8	79.4	79.9	81.4	83.1	83.7	85.7
≥ 900	39.4	46.5	51.4	55.1	64.6	66.9	72.3	75.3	77.7	79.9	80.5	81.0	82.5	84.2	84.8	86.8
≥ 800	39.8	47.4	52.2	56.2	66.0	68.4	74.0	77.0	79.5	81.7	82.3	82.8	84.3	86.0	86.7	88.6
≥ 700	40.1	47.8	52.8	56.9	67.2	69.8	75.3	78.4	81.0	83.2	83.8	84.3	85.8	87.5	88.1	90.1
≥ 600	40.4	48.0	53.1	57.2	67.7	70.2	75.8	78.9	81.5	83.7	84.3	84.8	86.3	88.0	88.6	90.6
≥ 500	40.5	48.1	53.2	57.4	68.0	70.7	76.4	79.6	82.5	84.8	85.4	85.9	87.5	89.3	90.0	92.1
≥ 400	40.5	48.1	53.2	57.4	68.1	70.9	76.7	79.9	82.8	85.2	85.8	86.3	87.9	89.6	90.4	92.5
≥ 300	40.5	48.1	53.2	57.4	68.4	71.1	76.9	80.1	83.3	85.7	86.3	86.8	88.4	90.1	90.9	93.1
≥ 200	40.5	48.1	53.2	57.4	68.4	71.1	77.0	80.2	83.5	85.9	86.5	87.2	89.0	90.9	92.0	95.2
≥ 100	40.5	48.1	53.2	57.4	68.4	71.1	77.0	80.4	83.6	86.2	86.8	87.5	89.4	91.4	93.2	98.6
≥ 0	40.5	48.1	53.2	57.4	68.4	71.1	77.0	80.4	83.6	86.2	86.8	87.5	89.6	91.9	93.7	100.0

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1-130
STATION

BITBURG AB DL
STATION NAME

73-81
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	16.7	19.5	20.2	21.6	27.0	28.1	29.5	30.2	31.0	31.8	32.0	32.1	32.2	32.6	33.6	35.3
≥ 20000	17.5	21.1	21.8	23.2	29.4	30.6	32.5	33.8	34.8	35.7	35.8	35.9	36.1	36.7	37.8	40.1
≥ 18000	17.6	21.2	21.9	23.3	29.6	30.9	32.7	34.1	35.1	35.9	36.1	36.2	36.3	36.9	38.0	40.4
≥ 16000	17.6	21.2	21.9	23.3	29.6	30.9	32.7	34.1	35.1	35.9	36.1	36.2	36.3	36.9	38.0	40.4
≥ 14000	17.6	21.2	21.9	23.3	29.7	31.0	32.8	34.2	35.2	36.1	36.2	36.3	36.4	37.1	38.2	40.5
≥ 12000	18.1	21.8	22.7	24.0	30.5	31.7	33.7	35.3	36.3	37.2	37.3	37.4	37.5	38.2	39.3	41.6
≥ 10000	19.5	23.3	24.5	26.0	32.7	34.0	36.1	37.8	38.8	39.7	39.8	40.0	40.1	40.9	42.0	44.4
≥ 9000	20.0	23.9	25.3	26.8	33.6	34.9	37.1	38.8	39.9	40.8	41.1	41.4	41.5	42.3	43.4	45.7
≥ 8000	21.9	26.0	27.5	29.2	36.8	38.2	40.3	42.3	43.4	44.5	45.0	45.2	45.4	46.1	47.3	49.7
≥ 7000	22.1	26.3	28.0	29.9	37.5	38.9	41.0	43.0	44.1	45.2	45.7	46.0	46.1	46.8	48.1	50.4
≥ 6000	22.4	26.6	28.4	30.2	38.2	39.5	41.8	43.7	44.9	46.0	46.5	46.7	46.8	47.6	48.8	51.2
≥ 5000	23.0	27.3	29.2	31.1	39.5	40.9	43.1	45.1	46.3	47.5	48.1	48.3	48.5	49.2	50.4	52.9
≥ 4500	23.8	28.6	30.7	33.1	42.5	43.9	46.5	48.7	49.9	51.3	51.9	52.2	52.3	53.0	54.3	56.9
≥ 4000	24.9	30.1	32.5	34.8	44.5	46.2	49.2	51.7	53.3	54.6	55.3	55.5	55.6	56.4	57.7	60.3
≥ 3500	25.9	31.5	34.0	36.9	46.6	48.3	51.4	54.2	55.8	57.1	57.7	58.0	58.1	58.9	60.2	62.8
≥ 3000	28.0	33.7	36.4	39.4	49.4	51.2	54.3	57.2	59.0	60.6	61.2	61.5	61.6	62.3	63.7	66.5
≥ 2500	29.1	34.8	37.5	40.5	50.7	52.4	55.5	58.5	60.2	61.8	62.5	62.8	62.9	63.7	65.1	67.9
≥ 2000	30.9	37.2	40.0	43.2	53.7	55.4	58.6	61.8	63.6	65.3	65.9	66.3	66.4	67.2	68.6	71.5
≥ 1800	31.2	37.8	40.6	43.9	54.4	56.1	59.4	62.6	64.6	66.3	66.9	67.3	67.4	68.2	69.6	72.5
≥ 1500	35.7	43.5	46.5	50.1	61.3	63.1	67.0	70.4	72.5	74.2	74.8	75.2	75.3	76.1	77.6	80.4
≥ 1200	36.9	45.2	48.3	51.9	63.7	65.4	70.1	73.5	75.7	77.4	78.1	78.4	78.6	79.3	80.8	83.6
≥ 1000	38.2	46.8	50.3	53.9	66.0	67.9	72.7	76.2	78.4	80.2	80.8	81.2	81.3	82.2	83.6	86.5
≥ 900	38.7	47.3	50.8	54.5	66.8	68.6	73.5	77.1	79.4	81.2	81.8	82.2	82.3	83.1	84.6	87.5
≥ 800	39.3	48.2	51.7	55.6	68.4	70.3	75.1	78.9	81.3	83.0	83.6	84.0	84.1	85.0	86.5	89.3
≥ 700	39.5	48.5	52.2	56.3	69.1	71.0	75.8	79.9	82.4	84.3	84.9	85.3	85.4	86.2	87.7	90.6
≥ 600	39.7	48.6	52.5	56.9	69.8	71.6	76.5	80.8	83.3	85.1	85.7	86.1	86.2	87.1	88.6	91.4
≥ 500	39.9	48.8	52.9	57.4	70.8	72.6	77.8	82.3	84.9	87.0	87.7	88.1	88.2	89.2	90.7	93.6
≥ 400	39.9	48.9	53.0	57.5	70.9	72.9	78.2	82.8	85.4	87.5	88.4	88.7	88.8	89.8	91.3	94.2
≥ 300	39.9	48.9	53.0	57.5	70.9	72.9	78.2	83.1	86.0	88.5	89.6	90.0	90.2	91.4	92.9	95.9
≥ 200	39.9	48.9	53.0	57.5	70.9	72.9	78.2	83.1	86.0	88.8	90.0	90.5	90.7	91.9	93.8	97.6
≥ 100	39.9	48.9	53.0	57.5	70.9	72.9	78.2	83.1	86.0	88.8	90.0	90.5	90.7	92.1	94.1	98.9
≥ 0	39.9	48.9	53.0	57.5	70.9	72.9	78.2	83.1	86.0	88.8	90.0	90.5	90.7	92.2	94.2	100.0

TOTAL NUMBER OF OBSERVATIONS 807

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

11100

BITBURG AB DL

73-81

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	25.9	29.1	30.7	32.2	33.5	33.6	34.1	34.3	34.7	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 20000	29.9	33.6	35.6	37.3	39.3	39.4	40.0	40.2	40.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 18000	29.9	33.6	35.7	37.4	39.4	39.5	40.1	40.4	40.7	40.9	40.9	40.9	40.9	40.9	40.9	40.9
IV 16000	29.9	33.6	35.7	37.4	39.4	39.5	40.1	40.4	40.7	40.9	40.9	40.9	40.9	40.9	40.9	40.9
IV 14000	29.9	33.6	35.7	37.4	39.4	39.5	40.1	40.4	40.7	40.9	40.9	40.9	40.9	40.9	40.9	40.9
IV 12000	30.2	34.3	36.4	38.1	40.1	40.4	41.0	41.2	41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 10000	31.9	36.2	38.6	40.5	42.5	42.7	43.5	43.7	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 9000	32.6	37.0	39.5	41.4	43.6	43.8	44.6	44.8	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 8000	34.4	39.6	42.2	44.1	46.4	46.9	47.7	47.9	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 7000	35.1	40.5	43.2	45.1	47.4	48.0	48.8	49.0	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 6000	35.1	40.5	43.3	45.2	47.7	48.3	49.0	49.3	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8
IV 5000	35.9	41.7	44.6	46.8	49.6	50.2	51.0	51.2	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 4500	38.1	44.2	47.0	49.5	52.6	53.2	54.0	54.2	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 4000	41.2	48.1	51.2	53.7	57.7	58.4	59.3	59.8	60.1	60.4	60.4	60.4	60.4	60.4	60.4	60.4
IV 3500	43.6	50.9	54.0	56.5	60.9	61.7	62.6	63.1	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 3000	50.6	58.6	62.0	64.6	69.5	70.4	71.4	72.2	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 2500	54.0	62.3	65.8	68.5	73.6	74.7	75.7	76.7	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2000	56.9	65.3	68.8	71.5	76.9	78.0	79.1	80.1	80.6	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 1800	57.3	65.9	69.4	72.1	77.5	78.6	79.8	80.9	81.4	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 1500	60.2	69.1	72.7	75.4	81.4	82.5	83.8	85.1	85.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 1200	63.0	72.1	75.9	78.8	84.7	85.8	87.2	88.4	88.9	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1000	63.7	73.6	77.5	80.5	87.3	88.6	90.1	91.5	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 900	64.2	74.1	78.0	81.0	87.9	89.3	90.7	92.1	92.6	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 800	64.6	74.6	78.9	82.1	89.5	90.9	92.3	93.7	94.2	94.7	94.7	94.7	94.7	94.9	94.9	94.9
≥ 700	64.7	74.7	79.0	82.2	90.0	91.4	93.0	94.7	95.2	95.7	95.8	95.8	95.8	96.0	96.0	96.0
≥ 600	64.7	74.7	79.1	82.3	90.7	92.2	94.0	95.8	96.3	96.8	96.9	96.9	96.9	97.2	97.2	97.2
≥ 500	64.8	74.8	79.3	82.5	91.1	92.6	94.6	96.9	97.5	98.0	98.1	98.1	98.4	98.4	98.4	98.4
≥ 400	64.8	74.8	79.3	82.5	91.2	92.8	94.9	97.3	98.3	98.9	99.0	99.0	99.3	99.3	99.3	99.3
≥ 300	64.8	74.8	79.3	82.5	91.2	92.8	95.1	97.7	98.6	99.3	99.4	99.4	99.6	99.6	99.6	99.6
≥ 200	64.8	74.8	79.3	82.5	91.2	92.8	95.1	97.7	98.6	99.4	99.5	99.5	99.9	99.9	100.0	100.0
≥ 100	64.8	74.8	79.3	82.5	91.2	92.8	95.1	97.7	98.6	99.4	99.5	99.5	99.9	99.9	100.0	100.0
≥ 0	64.8	74.8	79.3	82.5	91.2	92.8	95.1	97.7	98.6	99.4	99.5	99.5	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATM WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 100 BITBURG AB DL

73-81

SEP

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING ≥ 20000	31.2	34.1	34.2	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
≥ 18000	37.7	40.7	40.9	41.1	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 16000	37.8	40.9	41.0	41.2	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 14000	37.8	40.9	41.0	41.2	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 12000	38.6	42.1	42.2	42.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 10000	40.6	44.2	44.3	44.6	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 9000	41.6	45.2	45.3	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 8000	45.1	49.0	49.3	49.6	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 7000	46.4	50.4	50.6	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 6000	47.4	51.4	51.6	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 5000	50.5	54.7	54.9	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 4500	54.8	59.8	60.2	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 4000	60.9	66.4	66.9	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 3500	65.3	71.6	72.2	73.0	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 3000	70.9	78.1	78.9	80.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 2500	74.2	82.0	82.7	83.8	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 2000	78.3	86.4	87.2	88.4	89.9	89.9	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 1800	78.9	87.3	88.0	89.3	90.7	90.7	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 1500	81.0	89.5	90.4	91.9	93.8	94.1	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1200	82.7	91.0	91.9	93.5	95.6	95.8	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1000	82.3	92.0	93.1	94.7	96.9	97.2	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 900	82.3	92.0	93.1	94.7	96.9	97.2	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 800	82.5	92.3	93.6	95.4	97.7	97.9	98.1	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5
≥ 700	82.5	92.3	93.6	95.4	97.8	98.0	98.3	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 600	82.5	92.3	93.6	95.6	97.9	98.1	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 500	82.5	92.3	93.6	95.6	98.0	98.4	98.6	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	82.5	92.3	93.6	95.6	98.0	98.4	98.8	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	82.5	92.3	93.6	95.6	98.0	98.4	98.9	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	82.5	92.3	93.6	95.6	98.0	98.4	98.9	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	82.5	92.3	93.6	95.6	98.0	98.4	98.9	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	82.5	92.3	93.6	95.6	98.0	98.4	98.9	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
100

STATION NAME
BITBURG AB DL

YEARS
73-81

MONTH
SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	35.2	37.7	38.6	39.1	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥20000	42.8	45.4	46.7	47.2	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥18000	42.8	45.4	46.7	47.2	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥16000	42.8	45.4	46.7	47.2	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥14000	43.0	45.6	46.8	47.3	48.1	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥12000	44.0	46.8	48.0	48.6	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥10000	47.4	50.5	51.7	52.5	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥9000	49.8	52.8	54.2	54.9	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥8000	54.4	58.0	59.4	60.6	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥7000	55.7	59.3	60.6	61.9	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥6000	56.7	60.5	61.9	63.1	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥5000	60.5	64.3	65.8	67.0	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥4500	64.1	68.4	70.1	71.5	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥4000	68.9	74.1	75.8	77.2	78.6	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥3500	71.5	77.0	79.0	80.4	81.9	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥3000	74.2	80.0	82.1	83.6	85.7	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥2500	76.4	82.5	84.6	86.0	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥2000	79.1	85.3	87.7	89.1	91.7	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥1800	79.8	86.0	88.4	90.0	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥1500	81.5	87.9	90.2	92.1	94.9	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥1200	83.1	89.6	92.2	94.3	97.4	97.5	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥1000	83.3	89.9	92.5	94.6	97.8	97.9	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥900	83.3	89.9	92.5	94.6	98.0	98.1	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥800	83.3	89.9	92.5	94.6	98.1	98.3	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥700	83.3	89.9	92.5	94.6	98.1	98.3	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥600	83.6	90.1	92.7	94.8	98.4	98.5	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥500	83.7	90.2	92.8	94.9	98.5	98.6	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥400	83.7	90.2	92.8	94.9	98.5	98.6	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥300	83.7	90.2	92.8	94.9	98.6	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥200	83.7	90.2	92.8	94.9	98.6	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥100	83.7	90.2	92.8	94.9	98.6	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	83.7	90.2	92.8	94.9	98.6	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
100

STATION NAME
BITBURG AB DL

YEARS
73-81

MONTH
SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	44.7	47.5	49.1	49.8	51.1	51.4	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 20000	49.9	52.8	54.9	55.5	57.1	57.5	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 18000	49.9	52.8	54.8	55.5	57.1	57.5	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 16000	49.9	52.8	54.8	55.5	57.1	57.5	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 14000	49.9	52.8	54.8	55.5	57.1	57.5	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 12000	50.2	53.0	55.0	55.7	57.4	57.7	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 10000	52.3	55.6	57.7	58.7	60.7	61.1	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 9000	54.4	57.8	60.0	60.9	62.9	63.3	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 8000	57.6	61.3	63.4	64.9	67.1	67.5	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 7000	53.2	61.9	64.0	65.5	67.7	68.1	68.6	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 6000	58.7	62.5	64.6	66.1	68.4	68.7	69.2	69.2	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 5000	62.5	66.4	68.5	70.0	72.2	72.6	73.1	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 4500	65.8	70.1	72.3	74.0	76.3	76.6	77.3	77.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 4000	68.9	73.3	75.6	77.4	80.0	80.3	81.0	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 3500	70.5	75.0	77.8	79.5	82.1	82.6	83.2	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 3000	73.5	78.1	81.7	82.7	85.3	85.9	86.5	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 2500	75.3	80.0	82.8	84.9	87.5	88.1	88.8	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 2000	77.3	82.2	85.0	87.1	90.4	91.0	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1800	77.4	82.3	85.2	87.3	90.5	91.1	91.8	91.8	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1500	79.7	83.9	86.8	88.9	92.2	93.0	93.7	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1200	79.7	85.0	88.0	90.4	93.7	94.4	95.2	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1000	80.5	85.8	88.8	91.1	94.4	95.2	95.9	96.0	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 900	80.6	85.9	88.9	91.2	94.6	95.3	96.0	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 800	80.8	86.3	89.4	91.8	95.2	95.9	96.8	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700	81.1	86.5	89.6	92.1	95.4	96.2	97.0	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 600	81.5	86.9	90.0	92.5	95.9	96.7	97.5	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	81.7	87.1	90.2	92.7	96.2	96.9	97.8	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 400	81.8	87.3	90.4	92.8	96.4	97.2	98.0	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 300	81.8	87.4	90.5	93.0	96.5	97.3	98.1	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4
≥ 200	81.8	87.4	90.5	93.1	96.7	97.4	98.4	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.8	99.8
≥ 100	81.8	87.4	97.5	93.1	96.7	97.4	98.4	99.0	99.5	99.8	99.8	99.8	99.8	99.8	99.9	100.0
≥ 0	81.8	87.4	97.5	93.1	96.7	97.4	98.4	99.0	99.5	99.8	99.8	99.8	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 809

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1.1.0 BITBURG AB DL

73-81

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 3/16	≥ 0
NO FOG	20.4	33.7	35.4	36.2	38.7	39.3	40.4	41.2	41.5	42.1	42.2	42.3	42.4	42.6	43.0	43.6
≥ 20000	34.3	37.8	39.7	40.6	43.5	44.1	45.4	46.2	46.7	47.2	47.4	47.4	47.6	47.9	48.3	48.9
≥ 18000	34.3	37.8	39.7	40.6	43.5	44.2	45.5	46.3	46.7	47.3	47.4	47.5	47.7	47.9	48.3	48.9
≥ 16000	34.3	37.8	39.8	40.6	43.5	44.2	45.5	46.3	46.7	47.3	47.4	47.5	47.7	47.9	48.3	48.9
≥ 14000	34.3	37.9	39.8	40.7	43.6	44.2	45.6	46.4	46.8	47.4	47.5	47.5	47.7	48.0	48.4	49.0
≥ 12000	34.7	38.4	40.4	41.3	44.3	44.9	46.2	47.1	47.5	48.1	48.2	48.3	48.4	48.7	49.1	49.8
≥ 10000	36.4	40.3	42.4	43.4	46.5	47.2	48.7	49.6	50.0	50.6	50.7	50.8	51.0	51.3	51.7	52.3
≥ 9000	37.5	41.5	43.6	44.7	47.9	48.6	50.1	51.0	51.4	52.0	52.2	52.3	52.5	52.8	53.2	53.9
≥ 8000	40.0	44.3	46.6	47.9	51.4	52.2	53.7	54.6	55.2	55.8	56.0	56.0	56.3	56.6	57.0	57.7
≥ 7000	40.6	45.0	47.4	48.7	52.3	53.0	54.6	55.5	56.1	56.7	56.9	56.9	57.2	57.5	57.9	58.6
≥ 6000	41.7	45.5	47.9	49.2	52.8	53.6	55.1	56.1	56.6	57.2	57.4	57.5	57.7	58.1	58.5	59.2
≥ 5000	43.3	47.9	50.4	51.9	55.7	56.5	58.2	59.1	59.7	60.3	60.5	60.6	60.8	61.2	61.6	62.3
≥ 4500	46.0	51.1	53.7	55.4	59.5	60.4	62.1	63.1	63.7	64.3	64.5	64.6	64.8	65.2	65.6	66.4
≥ 4000	49.4	55.0	57.8	59.6	64.3	65.0	66.8	67.9	68.5	69.2	69.4	69.5	69.7	70.1	70.5	71.3
≥ 3500	51.4	57.4	60.3	62.2	66.8	67.8	69.7	70.8	71.6	72.2	72.5	72.6	72.8	73.1	73.6	74.3
≥ 3000	54.6	60.9	64.0	66.0	71.0	72.0	73.9	75.2	76.0	76.7	76.9	77.0	77.3	77.6	78.1	78.9
≥ 2500	56.5	63.1	66.1	68.2	73.4	74.4	76.3	77.6	78.4	79.1	79.4	79.5	79.7	80.1	80.5	81.3
≥ 2000	58.5	65.4	68.6	70.7	76.1	77.1	79.2	80.7	81.5	82.3	82.5	82.6	82.9	83.2	83.7	84.5
≥ 1800	59.7	66.0	69.1	71.3	76.8	77.8	80.0	81.4	82.3	83.1	83.3	83.4	83.7	84.0	84.5	85.3
≥ 1500	61.2	68.4	71.7	74.0	79.9	81.0	83.3	84.8	85.7	86.5	86.7	86.8	87.1	87.5	88.0	88.7
≥ 1200	62.6	70.2	73.5	76.1	82.2	83.3	85.7	87.2	88.2	89.0	89.3	89.4	89.6	90.0	90.5	91.3
≥ 1000	63.4	71.2	74.7	77.3	83.6	84.7	87.2	88.8	89.8	90.6	90.9	91.0	91.2	91.6	92.1	92.9
≥ 900	63.6	71.5	75.0	77.6	84.0	85.1	87.7	89.4	90.4	91.2	91.5	91.6	91.8	92.2	92.7	93.5
≥ 800	63.9	72.1	75.7	78.3	85.1	86.2	88.8	90.5	91.5	92.4	92.7	92.8	93.1	93.5	94.0	94.7
≥ 700	64.2	72.3	76.1	78.9	85.7	86.8	89.5	91.3	92.4	93.3	93.6	93.7	93.9	94.3	94.8	95.6
≥ 600	64.4	72.5	76.4	79.2	86.1	87.3	90.1	91.9	93.0	93.9	94.1	94.2	94.5	94.9	95.4	96.2
≥ 500	64.5	72.7	76.6	79.5	86.5	87.7	90.6	92.6	93.8	94.7	95.0	95.2	95.4	95.8	96.4	97.2
≥ 400	64.5	72.7	76.6	79.5	86.6	87.9	90.8	92.9	94.2	95.1	95.4	95.5	95.8	96.2	96.8	97.6
≥ 300	64.5	72.7	76.6	79.5	86.7	88.0	91.0	93.1	94.5	95.5	95.9	96.0	96.3	96.8	97.3	98.1
≥ 200	64.5	72.7	76.6	79.5	86.7	88.0	91.0	93.2	94.5	95.7	96.0	96.2	96.6	97.0	97.7	98.8
≥ 100	64.5	72.7	76.6	79.5	86.7	88.0	91.0	93.2	94.6	95.8	96.1	96.2	96.7	97.2	97.9	99.6
≥ 0	64.5	72.7	76.6	79.5	86.7	88.0	91.0	93.2	94.6	95.8	96.1	96.2	96.7	97.3	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 6476

2
GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

100 BITBURG AB DL

73-81

OCT

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-1900
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	26.9	29.6	31.8	31.1	33.8	34.3	36.1	36.6	37.5	38.1	38.1	39.1	38.1	38.8	39.2	39.9
≥ 29000	29.4	32.3	33.6	33.8	36.8	37.3	39.1	39.5	40.5	41.1	41.1	41.1	41.1	41.8	42.2	42.8
≥ 18000	29.4	32.3	33.6	33.8	36.8	37.3	39.1	39.5	40.5	41.1	41.1	41.1	41.1	41.8	42.2	42.8
≥ 14000	29.4	32.3	33.6	33.8	36.8	37.3	39.1	39.5	40.5	41.1	41.1	41.1	41.1	41.8	42.2	42.8
≥ 12000	29.6	32.5	33.8	34.1	37.0	37.5	39.3	39.8	40.7	41.3	41.3	41.3	41.3	42.1	42.4	43.0
≥ 10000	30.1	33.0	34.3	34.5	37.5	38.0	39.8	40.3	41.2	41.8	41.8	41.8	41.8	42.5	42.9	43.5
≥ 9000	31.3	34.2	35.6	35.8	38.8	39.3	41.1	41.6	42.5	43.1	43.1	43.1	43.1	43.8	44.2	44.8
≥ 8000	33.2	36.1	37.5	37.8	40.7	41.2	43.0	43.5	44.4	45.0	45.0	45.0	45.0	45.8	46.1	46.7
≥ 7000	34.5	37.6	39.2	39.5	42.8	43.2	45.2	45.6	46.6	47.3	47.3	47.3	47.3	48.0	48.4	49.2
≥ 6000	35.7	38.1	39.7	40.3	43.5	44.0	45.9	46.4	47.3	48.0	48.0	48.0	48.0	48.7	49.1	49.9
≥ 5000	35.7	38.9	40.9	41.6	45.2	45.6	47.6	48.0	49.0	49.7	49.7	49.7	49.7	50.4	50.8	51.6
≥ 4500	38.8	42.4	44.4	45.2	48.9	49.3	51.3	51.7	52.7	53.4	53.4	53.4	53.4	54.1	54.5	55.3
≥ 4000	41.7	44.8	46.8	47.6	51.5	52.0	54.5	55.0	55.9	56.6	56.6	56.6	56.6	57.3	57.7	58.5
≥ 3500	43.7	47.0	49.7	49.7	53.8	54.4	56.9	57.3	58.3	59.0	59.0	59.0	59.0	59.7	60.1	60.9
≥ 3000	45.4	49.6	51.9	52.7	56.9	57.5	60.1	60.6	61.5	62.2	62.2	62.2	62.2	63.0	63.3	64.2
≥ 2500	47.7	52.3	54.6	55.9	61.1	61.8	64.5	65.0	65.9	66.7	66.7	66.7	66.7	67.4	67.7	68.6
≥ 2000	51.4	56.5	59.3	60.9	66.3	67.0	70.0	70.5	71.6	72.3	72.3	72.3	72.3	73.0	73.4	74.2
≥ 1800	51.7	56.9	59.6	61.4	66.9	67.6	70.6	71.1	72.2	72.9	72.9	72.9	72.9	73.6	74.0	74.8
≥ 1500	53.8	59.0	62.0	63.8	70.1	71.2	74.6	75.3	76.3	77.1	77.1	77.1	77.1	77.9	78.3	79.1
≥ 1200	56.5	62.2	65.8	67.6	74.2	75.3	78.9	79.6	80.6	81.4	81.4	81.4	81.4	82.2	82.6	83.4
≥ 1000	58.5	64.9	68.7	70.5	77.7	78.9	82.6	83.4	84.5	85.2	85.2	85.2	85.2	86.0	86.4	87.2
≥ 900	59.1	65.5	69.3	71.2	78.5	79.8	83.6	84.5	85.5	86.3	86.3	86.3	86.3	87.1	87.5	88.3
≥ 800	59.4	66.1	71.0	71.9	79.7	81.0	84.8	85.7	86.7	87.5	87.5	87.5	87.5	88.4	88.8	89.6
≥ 700	61.2	68.9	77.8	72.8	80.9	82.3	86.4	87.3	88.4	89.2	89.2	89.2	89.2	90.2	90.6	91.4
≥ 600	67.2	66.9	71.7	73.2	81.4	82.8	87.0	87.9	89.1	90.0	90.0	90.0	90.0	90.9	91.3	92.1
≥ 500	60.5	67.1	71.2	73.6	81.8	83.3	87.8	89.0	90.3	91.2	91.2	91.2	91.2	91.3	92.5	93.3
≥ 400	60.5	67.1	71.2	73.7	82.0	83.4	87.9	89.2	90.6	91.5	91.5	91.5	91.5	91.6	92.5	93.8
≥ 300	60.5	67.1	71.2	73.7	82.0	83.4	88.1	89.5	90.9	92.1	92.1	92.1	92.1	92.5	93.8	94.9
≥ 200	60.5	67.1	71.2	73.7	82.0	83.4	88.1	89.5	91.0	92.4	92.5	92.5	92.5	93.0	94.4	95.9
≥ 100	60.5	67.1	71.2	73.7	82.0	83.4	88.1	89.5	91.0	92.6	92.8	93.0	93.4	94.9	95.6	96.9
≥ 0	60.5	67.1	71.2	73.7	82.0	83.4	88.1	89.5	91.0	92.7	93.0	93.1	93.5	95.1	95.9	97.0

TOTAL NUMBER OF OBSERVATIONS 837

2
 FEDERAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 130 BITBURG AB DL

73-81

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH 0300-0500
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	19.9	22.2	23.5	24.0	26.7	27.2	28.7	29.8	30.5	31.3	31.5	31.7	31.7	32.3	32.9	33.7
≥ 2000	22.3	24.7	26.7	26.5	29.3	29.8	31.4	32.5	33.2	34.0	34.3	34.5	34.5	35.1	35.7	36.4
≥ 1800	22.4	24.8	26.1	26.6	29.5	29.9	31.5	32.6	33.3	34.1	34.4	34.6	34.6	35.2	35.8	36.5
≥ 1600	22.4	24.8	26.1	26.6	29.5	29.9	31.5	32.6	33.3	34.1	34.4	34.6	34.6	35.2	35.8	36.5
≥ 1400	22.4	24.8	26.1	26.6	29.5	29.9	31.5	32.6	33.3	34.1	34.4	34.6	34.6	35.2	35.8	36.5
≥ 1200	22.5	24.9	26.2	26.7	29.6	30.1	31.6	32.7	33.4	34.5	34.7	35.0	35.0	35.6	36.2	36.9
≥ 1000	23.2	25.7	27.2	27.7	30.5	31.1	32.9	34.0	34.7	35.8	36.0	36.3	36.3	36.9	37.5	38.2
≥ 900	24.4	27.2	28.6	29.1	32.0	32.6	34.4	35.4	36.2	37.2	37.5	37.7	37.7	38.3	38.9	39.6
≥ 800	25.6	28.5	29.9	30.4	33.4	34.0	35.9	37.0	37.7	38.8	39.0	39.3	39.3	39.9	40.5	41.2
≥ 700	26.0	28.9	30.3	30.8	33.8	34.4	36.3	37.4	38.1	39.2	39.4	39.6	39.6	40.2	40.8	41.6
≥ 600	26.3	29.2	30.7	31.1	34.3	34.9	36.8	37.8	38.6	39.6	39.9	40.1	40.1	40.7	41.3	42.0
≥ 500	27.5	30.5	32.0	32.5	35.9	36.5	38.4	39.5	40.2	41.3	41.6	41.8	41.8	42.4	43.0	43.7
≥ 450	29.5	32.6	34.0	34.5	38.2	38.8	40.7	41.8	42.5	43.6	43.8	44.1	44.1	44.7	45.3	46.0
≥ 400	31.6	34.9	36.3	36.8	40.5	41.1	43.5	44.6	45.3	46.3	46.6	46.8	46.8	47.4	48.0	48.7
≥ 350	32.6	36.2	38.0	38.4	42.9	43.5	45.9	46.9	47.7	48.7	49.0	49.2	49.2	49.8	50.4	51.1
≥ 300	35.4	39.4	41.3	42.0	46.6	47.2	49.8	50.9	51.6	52.7	52.9	53.2	53.2	53.8	54.4	55.1
≥ 250	37.1	42.2	44.1	45.0	49.7	50.3	53.1	54.3	55.0	56.0	56.3	56.5	56.5	57.1	57.7	58.4
≥ 200	40.7	46.1	48.0	49.1	54.0	54.7	58.0	59.8	60.7	61.8	62.0	62.3	62.4	63.0	63.6	64.3
≥ 1800	41.4	46.9	48.9	49.9	54.9	55.6	58.8	60.6	61.6	62.6	62.9	63.1	63.2	63.8	64.4	65.1
≥ 1500	43.4	48.9	50.9	52.2	57.7	58.4	61.7	63.8	64.8	66.0	66.2	66.5	66.6	67.2	67.8	68.5
≥ 1200	46.7	52.6	54.7	56.3	62.4	63.4	67.1	69.2	70.2	71.4	71.6	71.9	72.0	72.6	73.2	73.9
≥ 1000	48.1	54.5	56.9	58.6	65.5	66.5	70.4	72.7	73.8	75.0	75.2	75.4	75.6	76.2	76.8	77.5
≥ 900	49.1	55.7	58.1	60.0	67.1	68.0	72.0	74.4	75.4	76.6	76.9	77.2	77.4	78.0	78.6	79.3
≥ 800	50.3	57.2	59.8	61.8	69.7	70.7	74.6	77.1	78.2	79.4	79.6	80.0	80.1	80.7	81.3	82.0
≥ 700	51.1	58.2	60.8	63.0	71.1	72.1	76.0	78.6	79.8	81.0	81.2	81.6	81.7	82.3	82.9	83.6
≥ 600	51.7	59.2	61.9	64.3	72.5	73.4	77.5	80.1	81.4	82.6	82.9	83.4	83.5	84.3	84.9	85.6
≥ 500	51.9	59.3	62.3	64.8	73.3	74.3	78.6	81.2	82.6	84.0	84.2	84.7	84.8	85.6	86.2	86.9
≥ 400	51.9	59.3	62.3	64.8	73.5	74.5	78.8	82.2	84.0	85.4	85.6	86.1	86.2	87.1	87.7	88.7
≥ 300	51.9	59.3	62.3	64.9	73.8	75.0	79.9	83.5	85.5	87.5	87.8	88.3	88.6	89.5	90.1	91.3
≥ 200	51.9	59.3	62.3	64.9	73.8	75.0	79.9	83.7	85.9	88.4	88.6	89.3	90.1	91.1	92.1	94.4
≥ 100	51.9	59.3	62.3	64.9	73.8	75.0	79.9	84.0	86.2	89.2	89.5	90.3	91.0	92.1	93.9	99.2
≥ 0	52.7	59.4	62.4	65.0	73.9	75.1	80.0	84.1	86.3	89.5	89.8	90.8	91.5	92.7	94.5	100.0

TOTAL NUMBER OF OBSERVATIONS 835

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 100 BITBURG AB DL

73-81

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0600
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	12.5	15.1	15.9	16.4	18.7	18.8	20.6	22.3	22.8	23.5	23.6	23.7	24.3	25.2	25.7	27.1
≥ 20000	13.7	16.5	17.4	17.9	20.3	20.4	22.3	24.0	24.5	25.3	25.4	25.5	26.1	27.0	27.6	29.0
≥ 18000	13.7	16.5	17.4	17.9	20.3	20.4	22.3	24.0	24.5	25.3	25.4	25.5	26.1	27.0	27.6	29.0
≥ 16000	13.7	16.5	17.4	17.9	20.3	20.4	22.3	24.0	24.5	25.3	25.4	25.5	26.1	27.0	27.6	29.0
≥ 14000	13.7	16.5	17.4	17.9	20.3	20.4	22.3	24.0	24.5	25.3	25.4	25.5	26.1	27.0	27.6	29.0
≥ 12000	13.8	16.7	17.5	18.0	20.4	20.5	22.7	24.3	24.8	25.7	25.8	25.9	26.5	27.3	27.9	29.4
≥ 10000	14.9	17.7	18.6	19.2	21.7	21.8	24.1	25.8	26.3	27.1	27.2	27.3	27.9	28.8	29.4	30.8
≥ 9000	15.3	18.5	19.4	20.0	22.7	22.8	25.1	26.7	27.2	28.1	28.2	28.3	28.9	29.7	30.3	31.8
≥ 8000	16.9	20.1	21.1	21.7	24.8	25.1	27.7	29.5	30.0	30.8	30.9	31.1	31.7	32.5	33.3	34.8
≥ 7000	16.9	20.1	21.1	21.7	24.8	25.1	27.7	29.5	30.2	31.1	31.2	31.3	31.9	32.7	33.6	35.0
≥ 6000	17.7	20.3	21.3	21.9	25.1	25.3	27.9	29.7	30.5	31.3	31.4	31.5	32.1	33.0	33.8	35.3
≥ 5000	18.6	22.1	23.1	23.7	27.3	27.6	30.3	32.1	32.9	33.7	33.8	33.9	34.5	35.4	36.2	37.6
≥ 4500	20.0	23.7	24.9	25.7	29.5	29.7	32.7	34.7	35.4	36.2	36.3	36.5	37.1	37.9	38.7	40.2
≥ 4000	22.2	26.3	27.7	28.4	32.5	32.7	36.0	37.9	38.7	39.6	39.7	39.8	40.5	41.4	42.2	43.6
≥ 3500	22.4	27.1	28.5	29.5	34.2	34.4	37.6	39.7	40.5	41.4	41.5	41.6	42.3	43.2	44.0	45.4
≥ 3000	24.8	29.5	30.9	31.9	37.3	37.5	40.9	42.9	43.8	44.6	44.7	44.8	45.6	46.4	47.2	48.7
≥ 2500	26.0	31.2	32.9	33.8	39.2	39.4	43.0	45.8	46.8	47.7	47.8	48.0	48.7	49.5	50.5	51.9
≥ 2000	29.6	35.4	37.5	38.6	44.2	44.5	48.1	51.1	52.0	53.1	53.2	53.4	54.2	55.0	56.0	57.4
≥ 1800	30.3	36.1	38.2	39.6	45.3	45.6	49.2	52.2	53.1	54.2	54.3	54.4	55.3	56.1	57.1	58.5
≥ 1500	33.2	39.4	41.8	43.3	49.3	49.6	53.5	56.6	57.7	58.9	59.0	59.1	60.0	60.9	62.0	63.4
≥ 1200	36.6	43.5	46.0	47.6	53.8	54.4	58.5	61.6	62.7	63.9	64.0	64.1	65.0	65.9	67.0	68.5
≥ 1000	38.2	45.6	48.6	50.2	57.2	57.8	62.0	65.1	66.3	67.6	67.7	67.9	68.7	69.7	70.7	72.2
≥ 900	39.1	46.3	49.6	51.3	58.6	59.4	63.7	66.9	68.1	69.4	69.5	69.7	70.5	71.5	72.5	74.0
≥ 800	39.9	47.7	51.1	52.9	61.3	62.2	66.7	70.1	71.3	72.7	72.8	72.9	73.7	74.7	75.8	77.2
≥ 700	40.3	48.2	51.8	54.0	63.2	64.1	68.7	72.4	73.7	75.1	75.2	75.3	76.1	77.1	78.2	79.6
≥ 600	40.6	48.9	52.6	54.8	64.1	65.1	70.0	73.7	75.1	76.4	76.6	76.9	77.7	78.7	79.7	81.2
≥ 500	41.6	50.2	54.2	56.6	66.4	67.9	73.0	77.1	78.5	79.9	80.1	80.3	81.2	82.1	83.2	84.7
≥ 400	41.6	50.2	54.2	56.6	66.5	68.0	73.1	77.5	79.3	80.7	80.9	81.2	82.0	83.1	84.5	86.0
≥ 300	41.6	50.2	54.2	56.7	67.1	68.8	74.0	79.0	80.9	82.7	83.0	83.2	84.1	85.3	86.7	88.1
≥ 200	41.6	50.2	54.2	56.7	67.1	68.8	74.0	79.4	81.4	83.5	83.9	84.2	85.3	86.9	88.8	91.6
≥ 100	41.6	50.4	54.3	56.8	67.4	69.1	74.2	79.6	81.7	83.9	84.4	85.1	86.3	88.7	91.2	99.9
≥ 0	41.6	50.4	54.3	56.8	67.4	69.1	74.2	79.6	81.7	83.9	84.4	85.1	86.3	88.7	91.2	100.0

TOTAL NUMBER OF OBSERVATIONS 834

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
SAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 100 BITBURG AB DL

73-81

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	7.8	9.9	10.5	11.2	14.9	15.2	16.0	17.2	18.1	18.6	18.8	19.2	19.4	20.0	20.5	21.7
≥ 20000	3.8	11.1	11.7	12.5	16.5	16.7	17.7	19.0	20.0	20.7	21.0	21.3	21.6	22.2	22.7	24.1
≥ 18000	8.9	11.2	11.8	12.7	16.6	16.9	17.8	19.2	20.1	20.8	21.1	21.4	21.7	22.3	22.8	24.2
≥ 16000	9.3	11.6	12.2	13.0	17.0	17.2	18.2	19.5	20.5	21.2	21.4	21.8	22.0	22.7	23.1	24.6
≥ 14000	9.3	11.8	12.4	13.3	17.2	17.5	18.4	19.8	20.7	21.4	21.7	22.0	22.3	22.9	23.4	24.8
≥ 12000	9.8	12.3	12.9	13.9	17.8	18.1	19.2	20.5	21.4	22.2	22.4	22.8	23.0	23.6	24.1	25.5
≥ 10000	10.2	12.8	13.4	14.5	18.7	18.9	20.0	21.3	22.3	23.0	23.3	23.6	23.9	24.5	24.9	26.4
≥ 9000	11.2	13.7	14.5	15.5	19.8	20.0	21.1	22.4	23.4	24.1	24.3	24.7	24.9	25.5	26.0	27.6
≥ 8000	12.2	15.1	16.0	17.3	21.8	22.0	23.4	25.1	26.0	26.9	27.1	27.5	27.7	28.3	28.8	30.4
≥ 7000	12.3	15.2	16.1	17.5	21.9	22.2	23.5	25.2	26.1	27.0	27.2	27.6	27.8	28.4	28.9	30.5
≥ 6000	12.3	15.2	16.3	17.6	22.0	22.3	23.6	25.3	26.3	27.1	27.3	27.7	28.0	28.6	29.0	30.6
≥ 5000	13.5	16.6	17.7	19.0	23.9	24.1	25.5	27.2	28.3	29.5	29.8	30.1	30.4	31.0	31.4	33.0
≥ 4500	14.7	18.4	19.6	21.3	26.3	26.5	28.3	30.1	31.3	32.5	32.8	33.1	33.4	34.0	34.5	36.4
≥ 4000	17.3	21.6	22.8	24.5	29.6	30.1	32.0	34.2	35.7	37.1	37.3	37.8	38.1	38.7	39.2	41.1
≥ 3500	18.1	22.9	24.1	25.8	31.2	31.7	33.9	36.0	37.5	39.2	39.4	39.9	40.1	40.7	41.2	43.1
≥ 3000	19.4	24.7	25.9	27.7	33.6	34.2	36.6	38.8	40.2	41.9	42.2	42.7	42.9	43.5	44.0	45.9
≥ 2500	21.1	26.7	28.2	30.0	36.5	37.1	39.5	41.7	43.1	44.8	45.1	45.5	45.9	46.6	47.1	49.0
≥ 2000	24.1	30.4	32.2	34.3	41.3	41.9	44.7	47.0	48.4	50.2	50.6	51.1	51.4	52.2	52.7	54.6
≥ 1800	24.6	31.1	33.0	35.3	42.4	43.0	45.8	48.1	49.5	51.3	51.7	52.2	52.5	53.3	53.7	55.7
≥ 1500	26.7	34.3	36.4	38.8	45.9	46.6	49.8	52.7	54.5	56.3	56.6	57.1	57.5	58.2	59.0	61.0
≥ 1200	28.7	36.7	39.0	41.4	49.4	50.2	53.4	56.3	58.1	59.9	60.2	60.7	61.1	61.8	62.7	64.6
≥ 1000	30.5	38.7	41.2	43.6	52.3	53.4	57.0	60.2	62.3	64.1	64.5	64.9	65.3	66.0	66.9	68.8
≥ 900	31.3	39.6	42.3	44.7	53.5	54.7	58.3	61.6	63.6	65.5	65.9	66.4	66.7	67.5	68.3	70.2
≥ 800	33.5	42.4	45.2	47.8	57.5	59.0	62.8	66.1	68.3	70.2	70.6	71.1	71.4	72.2	73.0	74.9
≥ 700	34.1	43.0	45.8	48.6	59.5	61.4	65.8	69.8	71.9	74.0	74.3	74.8	75.2	75.9	76.7	78.7
≥ 600	34.5	44.0	47.1	50.2	62.0	64.1	68.7	72.7	74.8	76.9	77.2	77.8	78.2	78.9	79.9	81.8
≥ 500	35.2	44.8	48.0	51.3	63.5	65.8	70.6	75.1	77.5	79.8	80.1	80.7	81.1	81.8	82.8	84.7
≥ 400	35.2	44.8	48.0	51.3	63.9	66.4	71.7	76.5	79.3	81.7	82.0	82.7	83.0	83.9	84.9	86.9
≥ 300	35.2	44.8	48.0	51.3	64.0	66.5	71.9	77.3	80.2	83.3	83.9	84.5	84.8	85.9	87.1	89.0
≥ 200	35.2	44.8	48.1	51.4	64.2	66.7	72.2	77.8	80.7	84.1	84.8	85.7	86.3	87.8	89.6	93.7
≥ 100	35.2	44.8	48.1	51.4	64.2	66.7	72.2	78.0	80.8	84.8	85.5	86.4	87.1	89.0	91.0	99.9
≥ 0	35.2	44.8	48.1	51.4	64.2	66.7	72.2	78.0	80.8	84.8	85.5	86.4	87.1	89.0	91.0	100.0

TOTAL NUMBER OF OBSERVATIONS 830

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 100 BITBURG AB DL

73-81

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 1/20	≥ 0
NO CEILING ≥ 20000	14.2	16.5	17.4	17.9	20.4	20.4	20.8	21.0	21.0	21.1	21.1	21.1	21.1	21.1	21.1	21.5
≥ 18000	17.9	22.7	21.9	22.5	25.2	25.2	25.6	25.8	25.8	25.9	25.9	25.9	25.9	25.9	25.9	26.3
≥ 16000	18.3	23.8	22.0	22.6	25.3	25.3	25.7	25.9	25.9	26.0	26.0	26.0	26.0	26.0	26.0	26.4
≥ 14000	18.3	23.8	22.0	22.6	25.3	25.3	25.7	25.9	25.9	26.0	26.0	26.0	26.0	26.0	26.0	26.4
≥ 12000	18.3	21.0	22.2	22.8	25.6	25.6	25.9	26.2	26.2	26.3	26.3	26.3	26.3	26.3	26.3	26.6
≥ 10000	19.0	21.9	23.4	24.3	27.0	27.0	27.4	27.6	27.6	27.7	27.7	27.7	27.7	27.7	27.7	28.1
≥ 8000	19.6	22.7	24.3	25.2	28.0	28.0	28.3	28.6	28.7	28.8	28.8	28.8	28.8	28.8	28.8	29.2
≥ 7000	20.8	24.1	25.7	26.6	29.4	29.4	29.7	30.0	30.2	30.3	30.3	30.3	30.3	30.3	30.3	30.7
≥ 6000	22.3	25.9	27.5	28.6	31.4	31.5	31.9	32.4	32.6	32.7	32.7	32.7	32.7	32.7	32.7	33.1
≥ 5000	22.9	26.5	28.1	29.2	32.0	32.1	32.5	33.0	33.2	33.3	33.3	33.3	33.3	33.3	33.3	33.7
≥ 4500	23.2	26.8	28.3	29.4	32.3	32.4	32.7	33.2	33.5	33.6	33.6	33.6	33.6	33.6	33.6	33.9
≥ 4000	24.7	28.4	30.1	31.2	34.1	34.2	34.5	35.0	35.2	35.4	35.4	35.4	35.4	35.4	35.4	35.7
≥ 3500	25.4	29.3	30.9	32.1	35.0	35.1	35.7	36.2	36.4	36.6	36.6	36.6	36.6	36.6	36.6	36.9
≥ 3000	27.8	31.8	33.5	34.8	37.8	37.9	38.5	38.9	39.2	39.3	39.3	39.3	39.3	39.3	39.3	39.7
≥ 2500	29.4	33.6	35.2	36.7	39.7	39.8	40.4	40.9	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.6
≥ 2000	32.0	36.9	38.7	40.4	44.0	44.1	44.7	45.2	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.9
≥ 1800	35.4	41.2	43.7	44.7	48.6	48.7	49.8	50.4	50.8	50.9	50.9	50.9	50.9	50.9	50.9	51.3
≥ 1500	40.6	46.5	48.3	49.9	53.9	54.1	55.3	55.9	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.9
≥ 1200	41.8	47.9	49.8	51.5	55.7	55.9	57.2	57.8	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.8
≥ 1000	46.7	54.1	56.4	58.5	62.8	63.1	64.4	65.0	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.9
≥ 900	49.5	57.5	60.3	63.3	68.1	68.5	70.1	70.7	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.7
≥ 800	51.1	59.5	62.5	65.6	71.9	72.5	74.6	75.7	76.1	76.5	76.5	76.5	76.5	76.6	76.6	76.9
≥ 700	51.3	59.9	62.8	65.9	72.6	73.2	75.3	76.6	76.9	77.3	77.3	77.3	77.3	77.4	77.4	77.8
≥ 600	52.4	61.4	64.6	68.1	75.9	76.6	78.6	80.2	80.5	81.0	81.0	81.0	81.0	81.1	81.1	81.5
≥ 500	53.0	62.6	65.9	69.7	78.4	79.2	81.6	83.2	83.6	84.1	84.1	84.1	84.1	84.2	84.2	84.6
≥ 400	53.2	63.2	66.9	70.7	80.2	81.0	83.9	85.4	86.0	86.5	86.5	86.5	86.5	86.6	86.6	87.0
≥ 300	53.3	63.6	67.3	71.3	81.1	82.1	85.3	86.9	87.5	88.1	88.1	88.1	88.1	88.2	88.3	88.6
≥ 200	53.3	63.6	67.3	71.3	81.2	82.2	85.8	87.3	88.2	89.4	89.4	89.6	89.7	89.8	89.8	90.2
≥ 100	53.3	63.6	67.4	71.4	81.4	82.3	86.3	88.6	89.8	92.6	92.6	93.3	93.4	93.7	93.8	94.1
≥ 0	53.3	63.6	67.4	71.4	81.4	82.3	86.5	89.0	90.2	93.7	93.8	94.6	94.9	96.1	97.1	100.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

16100 BITBURG AB DL

73-81

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING ≥ 20000	19.8	22.3	23.4	24.3	25.8	25.8	25.8	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.4
≥ 18000	25.3	29.2	30.2	31.1	32.7	32.7	32.7	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.3
≥ 16000	25.8	29.2	30.2	31.1	32.7	32.7	32.7	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.3
≥ 14000	25.8	29.2	30.2	31.1	32.7	32.7	32.7	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.3
≥ 12000	25.9	29.3	30.3	31.2	32.9	32.9	32.9	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.5
≥ 10000	26.9	30.2	31.3	32.1	33.9	33.9	33.9	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.5
≥ 9000	28.4	31.8	33.0	33.8	35.7	35.7	35.7	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.3
≥ 8000	30.5	33.8	35.0	35.8	37.8	37.8	37.8	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.4
≥ 7000	32.0	35.7	36.9	37.8	39.8	39.8	39.8	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.4
≥ 6000	32.5	36.2	37.4	38.2	40.3	40.3	40.3	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.9
≥ 5000	32.6	36.4	37.6	38.5	40.5	40.5	40.5	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	41.1
≥ 4500	34.1	38.1	39.3	40.1	42.3	42.3	42.3	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.9
≥ 4000	36.0	40.1	41.3	42.2	44.3	44.3	44.3	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.9
≥ 3500	39.7	44.2	45.4	46.4	48.9	48.9	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.5
≥ 3000	42.4	47.3	48.5	49.6	52.1	52.1	52.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.7
≥ 2500	47.1	52.3	53.5	54.8	57.8	57.8	57.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.4
≥ 2000	52.6	59.4	60.6	62.2	65.8	65.8	65.8	66.2	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.8
≥ 1800	57.7	64.8	65.9	67.7	71.3	71.3	71.3	71.6	71.6	71.9	72.2	72.2	72.2	72.2	72.2	72.5
≥ 1600	57.6	65.6	66.8	68.6	72.3	72.3	72.4	72.8	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.6
≥ 1400	62.0	70.7	72.0	74.2	78.1	78.1	78.3	78.6	78.7	79.1	79.1	79.1	79.1	79.1	79.1	79.6
≥ 1200	64.8	74.6	76.5	79.2	84.2	84.2	84.3	84.7	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.7
≥ 1000	65.8	76.2	78.5	81.4	87.0	87.0	87.5	88.1	88.2	88.5	88.5	88.5	88.5	88.5	88.5	89.0
≥ 900	66.4	76.8	79.2	82.2	88.1	88.1	88.6	89.2	89.4	89.7	89.7	89.7	89.7	89.7	89.7	90.1
≥ 800	66.8	77.4	79.9	83.0	89.5	89.5	90.1	90.7	90.8	91.2	91.2	91.2	91.2	91.2	91.2	91.6
≥ 700	67.3	78.0	80.6	83.8	90.3	90.4	91.3	92.0	92.1	92.5	92.5	92.5	92.5	92.5	92.5	93.0
≥ 600	67.6	78.4	81.4	84.6	91.9	92.0	92.8	93.8	93.9	94.3	94.3	94.3	94.3	94.3	94.3	94.7
≥ 500	67.6	78.4	81.4	84.7	92.0	92.1	93.3	94.7	95.0	95.5	95.5	95.5	95.5	95.5	95.5	95.9
≥ 400	67.6	78.4	81.4	84.7	92.2	92.4	93.7	95.2	95.7	96.3	96.5	96.5	96.5	96.5	96.5	97.0
≥ 300	67.7	78.5	81.5	84.8	92.4	92.5	94.0	95.9	97.0	98.0	98.2	98.2	98.3	98.3	98.3	98.8
≥ 200	67.7	78.5	81.5	84.8	92.4	92.5	94.1	96.1	97.1	98.3	98.6	98.6	98.8	98.8	99.2	99.3
≥ 100	67.7	78.5	81.5	84.8	92.4	92.5	94.1	96.1	97.1	98.3	98.6	98.6	98.9	99.0	99.4	100.0
≥ 0	67.7	78.5	81.5	84.8	92.4	92.5	94.1	96.1	97.1	98.3	98.6	98.6	98.9	99.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

100 BITBURG AB DL

73-81

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥⅜	≥⅜/16	≥¼	≥0
NO CEILING ≥ 20000	25.4	28.1	29.3	30.1	33.0	33.0	33.5	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.8	33.8
≥ 18000 ≥ 6700	29.4	32.7	33.9	34.8	37.6	38.0	38.5	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.8	38.8
≥ 14000 ≥ 2000	29.7	33.1	34.3	35.1	38.0	38.4	38.8	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.2	39.2
≥ 10000 ≥ 9000	29.9	33.2	34.4	35.2	38.1	38.5	38.9	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.3	39.3
≥ 8000 ≥ 7000	30.2	33.6	34.8	35.6	38.5	38.8	39.3	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.7	39.7
≥ 6000 ≥ 5000	31.1	34.5	35.7	36.6	39.4	39.8	40.3	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.6	40.6
≥ 4500 ≥ 4000	33.5	37.3	38.6	39.4	42.3	42.7	43.1	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.5	43.5
≥ 3500 ≥ 3000	35.4	39.2	40.6	41.5	44.3	44.7	45.2	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.5	45.5
≥ 2500 ≥ 2000	37.4	41.3	42.8	43.8	47.0	47.3	47.8	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.1	48.1
≥ 1800 ≥ 1500	38.6	42.5	44.0	45.0	48.1	48.5	49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.3	49.3
≥ 1200 ≥ 1000	39.1	43.0	44.4	45.5	48.6	49.0	49.5	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.8	49.8
≥ 900 ≥ 800	40.6	44.8	46.2	47.3	50.4	50.8	51.3	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.6	51.6
≥ 700 ≥ 600	42.5	47.1	48.6	49.8	52.9	53.3	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.1	54.1
≥ 500 ≥ 400	46.0	50.7	52.2	53.5	57.0	57.3	57.8	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.4	58.4
≥ 300 ≥ 200	50.1	55.7	57.2	58.5	62.5	62.8	63.3	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.9	63.9
≥ 100 ≥ 0	52.8	59.1	60.7	62.1	66.3	66.7	67.1	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.7	67.7
≥ 1800 ≥ 1500	57.3	64.0	66.1	67.7	72.3	72.6	73.1	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.8	73.8
≥ 1200 ≥ 1000	60.8	68.0	70.5	72.3	77.8	78.1	78.7	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.5	79.5
≥ 900 ≥ 800	62.2	69.5	72.2	74.1	79.7	80.0	80.6	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.4	81.4
≥ 700 ≥ 600	65.4	73.1	75.9	78.3	84.5	84.8	85.4	85.9	85.9	86.1	86.1	86.1	86.1	86.1	86.3	86.3
≥ 500 ≥ 400	66.7	74.8	78.0	80.8	87.6	87.9	88.6	89.1	89.2	89.5	89.5	89.5	89.5	89.5	89.6	89.6
≥ 300 ≥ 200	67.4	75.6	79.1	82.0	88.9	89.2	90.3	90.9	91.0	91.3	91.3	91.3	91.3	91.3	91.4	91.5
≥ 100 ≥ 0	67.5	75.7	79.3	82.2	89.5	89.8	90.9	91.5	91.6	91.9	91.9	91.9	91.9	91.9	92.0	92.1
≥ 1800 ≥ 1500	67.9	76.3	80.2	83.0	90.4	90.8	92.2	92.8	93.1	93.3	93.3	93.3	93.3	93.3	93.4	93.5
≥ 1200 ≥ 1000	67.9	76.3	80.3	83.3	90.8	91.3	93.1	93.9	94.1	94.5	94.5	94.5	94.5	94.5	94.6	94.7
≥ 900 ≥ 800	68.2	76.7	80.6	83.6	91.4	91.9	94.3	95.3	95.7	96.2	96.2	96.2	96.2	96.2	96.3	96.4
≥ 700 ≥ 600	68.2	76.7	80.6	83.6	91.6	92.1	94.6	95.7	96.2	96.9	96.9	97.3	97.3	97.3	97.4	97.5
≥ 500 ≥ 400	68.3	76.8	80.8	83.8	91.8	92.2	94.7	95.8	96.4	97.6	97.6	98.1	98.1	98.1	98.2	98.3
≥ 300 ≥ 200	68.3	76.8	80.8	83.8	91.8	92.2	94.7	95.8	96.7	97.8	97.8	98.3	98.3	98.3	98.6	98.7
≥ 100 ≥ 0	68.3	76.8	80.8	83.8	91.8	92.2	94.7	95.8	96.7	97.8	97.8	98.3	98.3	98.3	98.8	98.9
≥ 1800 ≥ 1500	68.3	76.8	80.8	83.8	91.8	92.2	94.7	95.8	96.7	97.8	97.8	98.3	98.3	98.3	98.8	98.9

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

100 BITBURG AB DL

73-81

OCT

STATION STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH
2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	29.4	32.6	33.7	34.5	37.5	38.1	40.0	40.1	40.3	40.3	40.3	40.3	40.3	40.4	40.4	40.4
≥ 20000	32.6	36.1	37.2	38.0	41.2	41.8	43.8	44.2	44.3	44.3	44.3	44.4	44.4	44.6	44.6	44.6
≥ 18000	32.7	36.2	37.3	38.1	41.3	41.9	44.0	44.3	44.4	44.4	44.4	44.6	44.7	44.7	44.7	44.7
≥ 16000	32.7	36.2	37.3	38.1	41.3	41.9	44.0	44.3	44.4	44.4	44.4	44.6	44.7	44.7	44.7	44.7
≥ 14000	32.9	36.3	37.4	38.2	41.5	42.1	44.1	44.4	44.6	44.6	44.6	44.7	44.8	44.8	44.8	44.8
≥ 12000	33.1	36.7	37.8	38.6	41.8	42.4	44.4	44.8	44.9	44.9	44.9	45.0	45.2	45.2	45.2	45.2
≥ 10000	34.1	37.6	38.8	39.7	42.9	43.5	45.5	45.9	46.0	46.0	46.0	46.1	46.2	46.2	46.2	46.2
≥ 9000	35.8	39.4	40.6	41.5	44.7	45.3	47.3	47.7	47.8	47.8	47.8	47.9	48.0	48.0	48.0	48.0
≥ 8000	38.7	42.3	43.6	44.4	47.9	48.6	50.7	51.0	51.1	51.1	51.1	51.3	51.4	51.5	51.5	51.5
≥ 7000	39.7	43.4	44.8	45.6	49.1	49.8	51.9	52.3	52.4	52.4	52.4	52.6	52.7	52.8	52.8	52.8
≥ 6000	39.9	43.6	45.0	45.9	49.3	50.1	52.1	52.6	52.7	52.7	52.7	52.8	52.9	53.0	53.0	53.0
≥ 5000	41.5	45.4	47.0	47.8	51.4	52.1	54.1	54.6	54.7	54.7	54.7	54.8	55.0	55.1	55.1	55.1
≥ 4500	45.7	49.6	51.1	52.1	55.8	56.6	58.7	59.1	59.3	59.3	59.3	59.4	59.5	59.6	59.6	59.6
≥ 4000	47.8	53.2	54.8	55.8	59.5	60.5	62.8	63.6	63.7	63.7	63.7	63.8	63.9	64.0	64.0	64.0
≥ 3500	50.1	55.8	57.6	58.5	62.5	63.6	65.9	66.7	66.8	66.8	66.8	66.9	67.0	67.1	67.1	67.1
≥ 3000	51.6	57.6	59.4	60.3	64.4	65.5	67.9	68.6	68.7	68.7	68.7	68.8	68.9	69.1	69.1	69.1
≥ 2500	55.0	62.0	63.9	65.0	69.3	70.5	72.9	73.6	73.7	73.7	73.7	73.8	74.0	74.1	74.1	74.1
≥ 2000	58.2	65.6	67.6	68.8	73.5	74.7	77.2	77.9	78.0	78.0	78.0	78.1	78.3	78.4	78.4	78.4
≥ 1800	59.1	66.7	68.7	69.9	74.7	75.9	78.4	79.1	79.2	79.2	79.2	79.3	79.5	79.6	79.6	79.6
≥ 1500	62.4	70.3	72.3	73.6	79.1	80.4	83.3	84.0	84.1	84.1	84.1	84.2	84.3	84.5	84.5	84.5
≥ 1200	64.6	72.9	75.0	76.8	82.8	84.2	87.3	88.2	88.4	88.4	88.4	88.5	88.6	88.8	88.8	88.8
≥ 1000	66.2	74.6	76.7	78.5	84.7	86.3	89.6	90.4	90.7	90.9	90.9	91.0	91.2	91.3	91.3	91.3
≥ 900	66.2	74.6	76.7	78.5	84.9	86.5	89.8	90.7	90.9	91.2	91.2	91.3	91.4	91.5	91.5	91.5
≥ 800	66.3	74.8	77.1	78.9	85.3	86.9	90.6	91.4	91.6	91.9	91.9	92.0	92.1	92.2	92.2	92.2
≥ 700	66.4	75.5	77.8	79.7	86.1	87.7	91.5	92.5	92.7	93.0	93.0	93.1	93.2	93.3	93.3	93.3
≥ 600	67.0	75.6	77.9	79.8	86.6	88.2	92.1	93.1	93.3	93.5	93.5	93.7	93.8	93.9	93.9	93.9
≥ 500	67.1	76.0	78.5	80.4	87.5	89.0	93.8	94.9	95.1	95.3	95.3	95.5	95.6	95.7	95.7	95.7
≥ 400	67.1	76.0	78.5	80.4	87.6	89.1	93.9	95.0	95.3	95.6	95.6	95.8	95.9	96.1	96.1	96.1
≥ 300	67.1	76.0	78.9	80.8	87.9	89.5	94.3	95.6	96.2	96.4	96.4	96.7	96.8	96.9	96.9	96.9
≥ 200	67.1	76.0	78.9	80.8	87.9	89.5	94.3	95.6	96.2	96.4	96.5	96.8	97.0	97.3	97.7	98.2
≥ 100	67.1	76.0	78.9	80.8	87.9	89.5	94.3	95.6	96.2	96.5	96.7	96.9	97.1	97.6	98.2	100.0
≥ 0	67.1	76.0	78.9	80.8	87.9	89.5	94.3	95.6	96.2	96.5	96.7	96.9	97.1	97.6	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 637

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
11100STATION NAME
BITBURG AB DLYEARS
73-81MONTH
OCTPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	19.5	22.1	23.1	23.7	26.4	26.6	27.7	28.4	28.8	29.1	29.2	29.2	29.4	29.7	30.0	30.6
≥ 20000	22.5	25.4	26.5	27.1	30.0	30.3	31.4	32.1	32.5	32.9	33.0	33.1	33.2	33.5	33.9	34.4
≥ 18000	22.6	25.5	26.6	27.2	30.1	30.4	31.5	32.2	32.6	33.0	33.1	33.2	33.3	33.6	34.0	34.5
≥ 16000	22.7	25.6	26.7	27.3	30.1	30.4	31.6	32.3	32.7	33.1	33.1	33.2	33.4	33.7	34.0	34.6
≥ 14000	22.8	25.7	26.8	27.5	30.3	30.6	31.7	32.4	32.8	33.2	33.3	33.4	33.5	33.9	34.2	34.8
≥ 12000	23.3	26.3	27.4	28.1	31.0	31.2	32.4	33.1	33.5	33.9	34.0	34.1	34.2	34.6	34.9	35.5
≥ 10000	24.4	27.5	28.7	29.4	32.3	32.6	33.9	34.6	35.0	35.4	35.5	35.6	35.7	36.1	36.4	36.9
≥ 9000	25.9	29.0	30.3	31.0	33.9	34.2	35.5	36.2	36.6	37.0	37.1	37.2	37.3	37.7	38.0	38.6
≥ 8000	27.5	30.8	32.2	33.0	36.1	36.5	37.8	38.6	39.0	39.5	39.6	39.7	39.8	40.1	40.5	41.1
≥ 7000	28.7	31.9	32.7	33.6	36.7	37.1	38.4	39.2	39.7	40.1	40.2	40.3	40.4	40.8	41.1	41.7
≥ 6000	28.2	31.6	32.9	33.8	37.0	37.3	38.6	39.5	39.9	40.4	40.4	40.5	40.7	41.0	41.4	42.0
≥ 5000	29.5	33.1	34.6	35.4	38.8	39.2	40.5	41.3	41.8	42.3	42.4	42.5	42.6	43.0	43.3	43.9
≥ 4500	31.5	35.4	36.9	37.9	41.4	41.7	43.2	44.0	44.5	45.0	45.1	45.2	45.3	45.7	46.0	46.7
≥ 4000	34.2	38.4	40.0	41.0	44.7	45.1	46.8	47.7	48.2	48.8	48.8	49.0	49.1	49.5	49.8	50.5
≥ 3500	36.1	40.7	42.3	43.4	47.4	47.8	49.5	50.5	51.0	51.6	51.6	51.8	51.9	52.3	52.6	53.3
≥ 3000	38.6	43.7	45.3	46.5	50.9	51.3	53.1	54.1	54.6	55.2	55.3	55.4	55.5	55.9	56.2	56.9
≥ 2500	41.6	47.4	49.2	50.6	55.3	55.8	57.7	58.8	59.4	60.0	60.1	60.2	60.4	60.7	61.1	61.8
≥ 2000	45.3	51.7	53.7	55.3	60.3	60.8	63.0	64.2	64.8	65.5	65.5	65.7	65.8	66.2	66.6	67.2
≥ 1800	46.1	52.6	54.7	56.3	61.5	62.0	64.2	65.4	66.0	66.7	66.7	66.9	67.0	67.4	67.8	68.4
≥ 1500	49.2	56.3	58.5	60.4	66.0	66.6	68.9	70.3	70.9	71.7	71.8	71.9	72.1	72.5	72.9	73.5
≥ 1200	51.8	59.4	62.0	64.2	70.3	71.1	73.6	75.0	75.7	76.4	76.5	76.6	76.8	77.2	77.6	78.3
≥ 1000	53.3	61.2	64.0	66.3	73.2	74.0	76.8	78.4	79.1	79.9	80.0	80.1	80.3	80.7	81.1	81.8
≥ 900	53.8	61.8	64.7	67.0	74.1	75.0	77.8	79.4	80.2	81.0	81.1	81.2	81.4	81.8	82.3	82.9
≥ 800	54.6	63.0	66.0	68.5	76.2	77.1	80.1	81.8	82.6	83.4	83.5	83.6	83.8	84.2	84.7	85.4
≥ 700	55.1	63.6	66.8	69.3	77.5	78.6	81.8	83.7	84.5	85.4	85.5	85.6	85.8	86.2	86.6	87.3
≥ 600	55.4	64.1	67.4	70.2	78.7	79.8	83.2	85.1	86.0	86.8	87.0	87.1	87.3	87.8	88.2	88.9
≥ 500	55.7	64.5	68.0	70.8	79.7	80.8	84.6	86.8	87.8	88.7	88.8	89.0	89.2	89.7	90.1	90.8
≥ 400	55.7	64.5	68.0	70.8	79.8	81.0	85.0	87.3	88.6	89.7	89.8	90.1	90.3	90.8	91.3	92.0
≥ 300	55.7	64.6	68.0	71.0	80.1	81.3	85.4	88.2	89.6	91.3	91.5	91.8	92.1	92.6	93.2	93.9
≥ 200	55.7	64.6	68.1	71.0	80.1	81.3	85.5	88.4	89.9	91.8	92.1	92.5	92.9	93.8	94.6	96.3
≥ 100	55.7	64.6	68.1	71.0	80.1	81.4	85.5	88.5	90.0	92.1	92.4	92.9	93.4	94.5	95.7	99.8
≥ 0	55.7	64.6	68.1	71.0	80.1	81.4	85.5	88.5	90.0	92.2	92.5	93.0	93.5	94.6	95.8	100.0

TOTAL NUMBER OF OBSERVATIONS 6684

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 130 BITBURG AB DL

73-81

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY: STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	17.7	21.3	21.8	22.9	24.1	24.3	25.5	26.0	26.0	26.3	26.5	26.6	26.6	26.6	26.6	26.9
≥ 20000	20.3	22.5	23.1	24.3	25.8	25.9	27.1	27.6	27.6	27.9	28.3	28.4	28.4	28.4	28.4	28.6
≥ 18000	20.3	22.5	23.1	24.3	25.8	25.9	27.1	27.6	27.6	27.9	28.3	28.4	28.4	28.4	28.4	28.6
≥ 16000	20.3	22.5	23.1	24.3	25.8	25.9	27.1	27.6	27.6	27.9	28.3	28.4	28.4	28.4	28.4	28.6
≥ 14000	20.3	22.5	23.1	24.3	25.8	25.9	27.1	27.6	27.6	27.9	28.3	28.4	28.4	28.4	28.4	28.8
≥ 12000	20.3	22.8	23.4	24.5	26.0	26.1	27.4	27.9	27.9	28.1	28.5	28.6	28.6	28.6	28.6	29.0
≥ 10000	20.9	23.4	24.0	25.1	26.6	26.8	28.0	28.6	28.8	29.0	29.4	29.5	29.5	29.5	29.5	30.0
≥ 9000	21.6	24.1	24.8	25.9	27.4	27.6	28.9	29.5	29.6	29.9	30.3	30.4	30.4	30.4	30.4	30.9
≥ 8000	22.1	25.0	25.6	26.8	28.5	29.1	30.4	31.0	31.3	31.5	31.9	32.0	32.0	32.0	32.0	32.5
≥ 7000	22.3	25.1	25.8	26.9	28.6	29.3	30.5	31.1	31.4	31.6	32.0	32.1	32.1	32.1	32.1	32.6
≥ 6000	22.3	25.1	25.8	26.9	28.6	29.3	30.5	31.1	31.4	31.6	32.0	32.1	32.1	32.1	32.1	32.6
≥ 5000	23.3	26.1	26.8	27.9	29.6	30.4	31.8	32.4	32.6	32.9	33.3	33.4	33.4	33.4	33.4	33.9
≥ 4500	26.3	29.6	30.4	31.8	33.5	34.3	35.6	36.3	36.5	36.8	37.1	37.3	37.3	37.3	37.3	37.8
≥ 4000	28.4	31.8	32.5	33.9	35.8	36.5	38.1	38.8	39.0	39.5	39.9	40.0	40.0	40.0	40.0	40.5
≥ 3500	37.5	34.0	34.9	36.3	38.3	39.0	40.6	41.3	41.5	42.0	42.4	42.5	42.5	42.5	42.5	43.0
≥ 3000	33.1	37.4	38.3	39.6	42.0	42.8	44.4	45.0	45.3	45.8	46.1	46.3	46.3	46.3	46.3	46.8
≥ 2500	35.9	40.8	41.6	43.0	45.8	46.5	48.1	48.8	49.0	49.5	49.9	50.0	50.0	50.0	50.0	50.5
≥ 2000	40.6	46.1	47.1	49.3	52.0	52.8	54.6	55.3	55.6	56.1	56.5	56.6	56.6	56.6	56.6	57.1
≥ 1800	41.4	47.1	48.1	50.3	53.3	54.0	55.9	56.5	56.9	57.4	57.8	57.9	57.9	57.9	57.9	58.4
≥ 1500	47.9	54.5	55.5	57.9	61.3	62.4	64.3	64.9	65.3	65.8	66.1	66.3	66.3	66.3	66.3	66.8
≥ 1200	51.4	58.8	60.1	62.8	66.4	67.5	69.6	70.3	70.6	71.1	71.6	71.8	71.8	71.8	71.8	72.4
≥ 1000	53.0	60.4	62.1	65.0	69.0	70.4	72.5	73.1	73.5	74.0	74.6	74.8	74.8	74.8	74.8	75.4
≥ 900	53.9	61.6	63.4	66.4	70.4	71.8	74.0	74.6	75.0	75.5	76.1	76.3	76.3	76.3	76.3	76.9
≥ 800	54.9	62.8	64.5	67.5	71.5	72.9	75.1	75.8	76.1	76.6	77.4	77.5	77.5	77.5	77.5	78.1
≥ 700	55.5	63.5	65.3	69.1	74.0	75.4	77.8	78.4	78.9	79.4	80.1	80.3	80.3	80.3	80.3	80.9
≥ 600	56.7	64.4	66.4	70.6	75.6	77.0	79.5	80.6	81.1	81.6	82.4	82.5	82.5	82.5	82.5	83.1
≥ 500	56.7	64.5	66.8	71.4	77.3	78.8	81.8	83.4	84.1	84.9	85.6	85.8	85.8	85.9	85.9	86.5
≥ 400	56.0	64.5	66.9	71.5	78.1	79.8	82.9	84.8	85.5	86.3	87.0	87.1	87.1	87.5	87.5	88.1
≥ 300	56.1	64.8	67.1	71.8	78.5	80.1	83.4	85.4	86.6	87.8	88.5	88.8	88.9	89.4	89.9	90.6
≥ 200	56.1	64.8	67.1	71.8	78.5	80.1	83.4	85.9	87.8	89.4	90.1	90.4	90.6	91.8	92.4	94.4
≥ 100	56.1	64.8	67.1	71.8	78.5	80.1	83.4	85.9	87.8	89.9	90.6	91.0	91.3	92.9	94.3	99.9
≥ 0	56.1	64.8	67.1	71.8	78.5	80.1	83.4	85.9	87.8	89.9	90.6	91.0	91.3	92.9	94.3	100.0

TOTAL NUMBER OF OBSERVATIONS 800

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 100 BITBURG AB DL

73-81

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1300-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 1/16	≥ 0
NO CEILING	14.5	16.3	17.1	17.2	18.5	18.8	19.8	20.2	20.4	20.6	20.6	20.6	20.6	20.8	20.9	22.1
≥ 20000	15.8	17.8	18.5	18.8	20.2	20.7	22.1	22.6	22.8	22.9	22.9	22.9	22.9	23.2	23.3	24.4
≥ 18000	15.8	17.8	18.5	18.8	20.2	20.7	22.1	22.6	22.8	22.9	22.9	22.9	22.9	23.2	23.3	24.4
≥ 16000	15.8	17.8	18.5	18.8	20.2	20.7	22.1	22.6	22.8	22.9	22.9	22.9	22.9	23.2	23.3	24.4
≥ 14000	15.8	17.8	18.5	18.8	20.2	20.7	22.1	22.6	22.8	22.9	22.9	22.9	22.9	23.2	23.3	24.4
≥ 12000	15.8	18.1	18.7	19.1	20.4	20.9	22.3	22.8	23.1	23.2	23.2	23.2	23.2	23.4	23.6	24.7
≥ 10000	16.3	18.6	19.2	19.6	20.9	21.4	22.9	23.4	23.7	23.8	23.8	23.8	23.8	24.1	24.2	25.3
≥ 9000	16.7	19.0	19.6	20.1	21.7	22.2	23.7	24.2	24.4	24.6	24.6	24.6	24.6	24.8	24.9	26.1
≥ 8000	17.5	20.1	20.7	21.4	23.2	23.9	25.4	25.9	26.3	26.4	26.4	26.4	26.4	26.7	26.8	27.9
≥ 7000	17.6	20.2	20.8	21.6	23.3	24.1	25.6	26.1	26.4	26.6	26.6	26.6	26.6	26.8	26.9	28.1
≥ 6000	17.6	20.2	20.8	21.6	23.3	24.1	25.6	26.1	26.4	26.6	26.6	26.6	26.6	26.8	26.9	28.1
≥ 5000	19.1	21.7	22.3	23.1	24.9	25.7	27.3	27.8	28.2	28.4	28.4	28.4	28.4	28.7	28.8	29.9
≥ 4500	21.7	24.6	25.6	26.3	28.3	29.1	31.0	31.5	31.9	32.2	32.2	32.2	32.2	32.4	32.5	33.7
≥ 4000	24.3	27.4	28.4	29.2	31.5	32.3	34.5	35.0	35.4	35.7	35.7	35.7	35.7	35.9	36.0	37.3
≥ 3500	25.6	28.9	29.9	30.7	33.2	33.9	36.2	36.9	37.3	37.5	37.7	37.7	37.7	37.9	38.0	39.3
≥ 3000	27.7	31.5	32.9	33.7	36.2	36.9	39.2	39.9	40.3	40.6	40.8	40.8	40.8	41.0	41.1	42.4
≥ 2500	29.8	34.3	35.9	36.9	39.9	40.6	42.9	43.6	44.0	44.4	44.5	44.5	44.5	44.8	44.9	46.1
≥ 2000	35.4	39.9	41.8	43.0	46.3	47.0	49.4	50.2	50.7	51.1	51.2	51.2	51.2	51.5	51.7	53.1
≥ 1800	36.4	41.0	43.0	44.3	47.5	48.3	50.9	51.7	52.2	52.6	52.7	52.7	53.0	53.2	53.4	54.6
≥ 1500	41.7	46.4	48.8	50.2	53.9	55.0	57.9	59.2	59.7	60.1	60.2	60.2	60.5	60.7	60.8	62.1
≥ 1200	44.4	50.0	52.4	54.1	58.2	59.4	62.3	63.7	64.3	64.7	64.8	64.8	65.1	65.3	65.5	66.7
≥ 1000	47.1	53.9	56.4	58.2	63.1	64.2	67.2	68.6	69.2	69.6	69.7	69.7	70.0	70.2	70.3	71.6
≥ 900	47.6	54.7	57.4	59.2	64.1	65.2	68.3	69.7	70.3	70.7	70.8	70.8	71.1	71.3	71.4	72.7
≥ 800	48.9	56.2	59.0	61.0	66.1	67.3	70.9	72.3	73.1	73.4	73.6	73.6	73.8	74.1	74.2	75.6
≥ 700	50.2	57.7	60.6	63.1	68.7	70.1	73.7	75.2	75.9	76.3	76.4	76.4	76.7	76.9	77.1	78.4
≥ 600	50.6	58.2	61.1	63.7	70.0	71.6	75.7	77.4	78.3	78.9	79.1	79.1	79.3	79.6	79.7	81.0
≥ 500	50.7	58.5	61.7	64.7	72.1	73.7	77.8	79.9	80.9	81.5	81.7	81.7	81.9	82.3	82.4	83.8
≥ 400	50.7	58.5	61.7	64.7	72.9	74.7	79.2	81.5	82.7	83.3	83.4	83.4	83.7	84.2	84.3	85.7
≥ 300	50.7	58.5	61.7	65.0	73.7	75.4	80.4	83.2	84.9	85.7	85.8	86.0	86.3	87.4	87.7	89.2
≥ 200	50.7	58.5	61.7	65.0	73.7	75.4	80.9	83.9	86.0	87.4	87.5	87.8	88.0	89.8	90.1	92.9
≥ 100	50.7	58.5	61.7	65.0	73.7	75.4	80.9	83.9	86.0	87.7	88.0	88.5	88.9	91.1	92.9	99.8
≥ 0	50.7	58.5	61.7	65.0	73.7	75.4	80.9	83.9	86.0	87.7	88.0	88.5	88.9	91.1	93.0	100.0

TOTAL NUMBER OF OBSERVATIONS 802

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1130
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

NOV

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1600-0800
HOURS (L.E.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	12.4	13.0	13.9	13.9	15.4	15.6	16.3	16.6	16.9	17.0	17.0	17.0	17.0	17.2	17.5	18.4
≥ 20000	13.2	14.0	15.0	15.0	16.6	17.0	17.6	18.1	18.4	18.5	18.5	18.5	18.5	18.7	19.0	20.0
≥ 18000	13.2	14.0	15.0	15.0	16.6	17.0	17.6	18.1	18.4	18.5	18.5	18.5	18.5	18.7	19.0	20.0
≥ 16000	13.2	14.0	15.0	15.0	16.6	17.0	17.6	18.1	18.4	18.5	18.5	18.5	18.5	18.7	19.0	20.0
≥ 14000	13.2	14.0	15.0	15.0	16.6	17.0	17.6	18.1	18.4	18.5	18.5	18.5	18.5	18.7	19.0	20.0
≥ 12000	13.2	14.0	15.0	15.0	16.6	17.0	17.6	18.1	18.4	18.5	18.5	18.5	18.5	18.7	19.0	20.0
≥ 10000	13.8	14.8	15.8	15.8	17.4	17.7	18.5	19.2	19.5	19.6	19.6	19.6	19.6	19.9	20.1	21.1
≥ 9000	14.1	15.3	16.3	16.3	17.9	18.2	19.0	19.7	20.0	20.1	20.1	20.1	20.1	20.3	20.6	21.6
≥ 8000	15.1	16.3	17.2	17.4	19.1	19.5	20.2	21.0	21.2	21.3	21.3	21.3	21.3	21.6	21.8	22.8
≥ 7000	15.4	16.5	17.5	17.6	19.4	19.7	20.5	21.2	21.5	21.6	21.6	21.6	21.6	21.8	22.1	23.1
≥ 6000	15.6	16.7	17.7	17.9	19.6	20.0	20.7	21.5	21.7	21.8	21.8	21.8	21.8	22.1	22.3	23.3
≥ 5000	17.4	18.6	19.6	19.9	21.6	22.0	22.7	23.4	23.7	23.8	23.8	23.8	23.8	24.1	24.3	25.3
≥ 4500	19.2	20.8	22.0	22.2	23.9	24.4	25.4	26.2	26.4	26.6	26.6	26.6	26.6	26.8	27.0	28.0
≥ 4000	22.2	24.1	25.2	25.4	27.5	28.0	29.3	30.4	30.8	30.9	30.9	30.9	30.9	31.1	31.4	32.4
≥ 3500	24.3	26.3	27.4	27.7	29.8	30.3	31.5	32.6	33.0	33.1	33.1	33.1	33.1	33.4	33.6	34.6
≥ 3000	26.9	28.9	30.0	30.5	33.0	33.5	34.9	36.1	36.5	36.6	36.6	36.6	36.6	36.8	37.1	38.1
≥ 2500	28.4	30.4	31.8	32.5	35.4	35.9	37.2	38.5	38.8	39.0	39.0	39.0	39.0	39.2	39.5	40.4
≥ 2000	31.1	33.9	35.4	36.1	39.8	40.3	41.8	43.2	43.8	44.0	44.0	44.2	44.2	44.4	44.7	45.7
≥ 1800	32.4	35.2	37.1	38.0	41.7	42.2	43.8	45.2	45.8	46.0	46.0	46.3	46.3	46.5	46.8	47.8
≥ 1500	37.6	41.1	43.1	43.9	48.1	49.0	51.0	52.6	53.2	53.5	53.5	53.7	53.7	54.0	54.2	55.2
≥ 1200	40.9	45.0	47.0	48.0	52.6	53.5	55.6	57.2	57.8	58.1	58.1	58.3	58.3	58.6	58.8	59.8
≥ 1000	43.9	48.8	50.7	52.1	56.9	58.1	60.4	62.0	62.7	62.9	62.9	63.2	63.2	63.4	63.6	64.6
≥ 900	44.5	49.6	52.0	53.6	58.6	59.7	62.0	63.8	64.4	64.6	64.6	64.9	64.9	65.1	65.4	66.4
≥ 800	46.2	51.9	54.3	56.5	61.5	62.8	65.4	67.2	67.9	68.1	68.1	68.4	68.4	68.6	68.9	70.1
≥ 700	47.9	54.1	56.7	59.2	64.6	65.9	69.1	71.2	72.1	72.3	72.3	72.6	72.6	72.8	73.1	74.3
≥ 600	48.9	55.8	58.6	61.3	67.2	68.5	72.5	74.7	75.6	76.1	76.1	76.3	76.3	76.7	76.9	78.2
≥ 500	49.1	56.2	59.1	62.4	69.4	70.6	75.1	77.7	78.5	79.2	79.2	79.4	79.4	79.9	80.5	81.8
≥ 400	49.3	56.5	59.3	62.9	70.8	72.8	77.5	80.5	81.5	82.1	82.1	82.4	82.4	82.9	83.5	84.7
≥ 300	49.3	56.5	59.4	63.0	71.2	73.3	78.5	82.1	83.5	85.0	85.2	85.5	85.5	86.4	87.2	88.7
≥ 200	49.3	56.5	59.4	63.0	71.3	73.4	78.8	82.8	84.7	86.7	87.0	87.3	87.6	89.0	90.1	93.1
≥ 100	49.3	56.5	59.4	63.0	71.3	73.4	78.8	82.8	85.0	87.2	87.6	88.2	88.5	90.2	93.1	99.6
≥ 0	49.3	56.5	59.4	63.0	71.3	73.4	78.8	82.8	85.0	87.2	87.6	88.2	88.5	90.2	93.1	100.0

TOTAL NUMBER OF OBSERVATIONS 806

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

100 BITBURG AB DL

73-81

NCV

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-1900
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING ≥ 20000	9.2	10.4	11.1	11.4	12.5	12.6	13.1	13.2	14.0	14.2	14.2	14.2	14.4	14.5	14.5	15.6
≥ 18000	10.9	12.5	13.2	13.6	15.0	15.4	16.1	16.4	17.2	17.7	17.7	17.7	17.9	18.0	18.1	19.5
≥ 16000	10.9	12.5	13.2	13.6	15.0	15.4	16.1	16.4	17.2	17.7	17.7	17.7	17.9	18.0	18.1	19.5
≥ 14000	10.9	12.5	13.2	13.6	15.0	15.4	16.1	16.4	17.2	17.7	17.7	17.7	17.9	18.0	18.1	19.5
≥ 12000	11.0	12.6	13.4	13.7	15.1	15.5	16.2	16.5	17.4	17.9	17.9	17.9	18.0	18.1	18.2	19.6
≥ 10000	11.1	12.7	13.6	14.0	15.4	15.7	16.6	16.9	17.7	18.2	18.2	18.2	18.6	18.7	18.9	20.2
≥ 9000	11.7	13.4	14.2	14.6	16.0	16.4	17.2	17.5	18.4	18.9	18.9	18.9	19.2	19.4	19.7	21.1
≥ 8000	12.9	14.6	15.5	15.9	17.4	17.7	18.6	18.9	19.7	20.2	20.2	20.2	20.6	20.7	21.1	22.5
≥ 7000	12.9	14.6	15.5	15.9	17.4	17.7	18.6	18.9	19.7	20.2	20.2	20.2	20.6	20.7	21.1	22.5
≥ 6000	13.7	14.7	15.6	16.0	17.5	17.9	18.7	19.0	19.9	20.3	20.3	20.3	20.7	20.8	21.2	22.6
≥ 5000	13.6	15.9	16.9	17.2	18.7	19.1	20.0	20.2	21.2	21.7	21.7	21.7	22.1	22.2	22.6	24.3
≥ 4500	14.9	17.4	18.4	19.0	20.8	21.2	22.2	22.5	23.5	24.0	24.0	24.0	24.3	24.5	24.8	26.2
≥ 4000	17.4	20.3	21.5	22.2	24.2	24.7	25.8	26.1	27.5	28.0	28.0	28.0	28.3	28.5	28.8	30.2
≥ 3500	18.4	21.3	22.5	23.2	25.3	25.8	27.0	27.2	28.7	29.2	29.2	29.2	29.6	29.7	30.1	31.5
≥ 3000	20.7	24.1	25.6	26.5	28.8	29.6	30.8	31.2	33.1	33.6	33.6	33.6	34.0	34.1	34.5	35.8
≥ 2500	23.1	26.6	28.1	29.3	32.0	32.8	34.1	34.5	36.3	36.8	36.8	36.8	37.2	37.3	37.7	39.1
≥ 2000	27.3	31.2	33.1	34.7	38.0	39.0	40.2	40.6	42.4	43.1	43.1	43.1	43.4	43.6	43.9	45.3
≥ 1800	28.3	32.6	34.6	36.3	39.7	40.7	42.4	42.8	44.9	45.6	45.6	45.6	45.9	46.1	46.4	47.8
≥ 1600	32.1	36.8	39.0	40.7	45.3	46.4	48.4	49.2	51.4	52.2	52.2	52.2	52.7	52.8	53.2	54.6
≥ 1400	35.7	43.8	43.1	44.8	50.3	51.4	54.1	54.9	57.4	58.2	58.2	58.3	58.7	58.8	59.2	60.5
≥ 1200	38.3	44.1	46.4	48.2	54.7	55.8	58.6	59.6	62.0	62.9	62.9	63.0	63.4	63.5	63.9	65.3
≥ 1000	38.5	44.7	47.1	49.3	55.8	56.9	59.7	60.7	63.2	64.0	64.0	64.2	64.5	64.7	65.0	66.4
≥ 900	40.4	47.4	50.2	52.8	59.8	61.0	64.0	65.0	67.5	68.4	68.4	68.5	68.9	69.0	69.4	70.8
≥ 800	40.8	48.7	52.1	54.7	62.2	63.5	66.7	68.0	70.7	71.5	71.5	71.7	72.0	72.2	72.5	73.9
≥ 700	40.8	49.4	53.3	56.2	64.2	65.5	68.9	70.5	73.4	74.3	74.3	74.4	74.8	74.9	75.3	76.7
≥ 600	41.1	49.7	53.6	56.7	65.4	67.0	71.0	73.2	76.3	77.5	77.5	77.7	78.0	78.2	78.8	80.3
≥ 500	41.1	49.8	53.7	56.8	66.2	67.9	72.0	74.7	78.2	79.8	79.8	79.9	80.3	80.5	81.3	83.1
≥ 400	41.1	49.9	53.8	56.9	66.4	68.2	72.9	76.4	80.8	83.3	83.6	83.9	84.4	84.8	85.8	87.9
≥ 300	41.1	49.9	53.8	56.9	66.4	68.2	73.0	76.5	81.0	84.1	84.8	85.3	86.0	87.1	88.8	94.0
≥ 200	41.1	49.9	53.8	56.9	66.4	68.2	73.0	76.5	81.0	84.4	85.1	85.6	86.4	87.9	90.1	100.0
≥ 100	41.1	49.9	53.8	56.9	66.4	68.2	73.0	76.5	81.0	84.4	85.1	85.6	86.4	87.9	90.1	100.0
≥ 0	41.1	49.9	53.8	56.9	66.4	68.2	73.0	76.5	81.0	84.4	85.1	85.6	86.4	87.9	90.1	100.0

TOTAL NUMBER OF OBSERVATIONS 801

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

100 SITBURG AB DL

73-81

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	11.4	13.2	13.5	17.5	15.8	16.0	16.1	16.4	16.4	16.5	16.5	16.5	16.5	16.6	16.8	17.6
≥ 20000	12.9	14.9	15.8	15.9	18.6	19.0	19.1	19.5	19.6	19.8	19.8	19.8	19.8	19.9	20.0	20.9
≥ 18000	13.3	15.0	15.9	16.1	18.9	19.3	19.5	19.9	20.0	20.1	20.1	20.1	20.1	20.2	20.4	21.2
≥ 16000	13.3	15.0	15.9	16.1	18.9	19.3	19.5	19.9	20.0	20.1	20.1	20.1	20.1	20.2	20.4	21.2
≥ 14000	13.2	15.2	16.3	16.3	19.0	19.4	19.8	20.1	20.2	20.4	20.4	20.4	20.4	20.5	20.6	21.5
≥ 12000	13.2	15.2	16.3	16.3	19.0	19.4	19.8	20.1	20.2	20.4	20.4	20.4	20.4	20.5	20.6	21.5
≥ 10000	13.5	15.7	16.5	16.8	19.6	20.0	20.5	21.0	21.1	21.2	21.2	21.2	21.2	21.4	21.5	22.4
≥ 9000	13.5	15.7	16.5	16.9	19.9	20.2	20.7	21.2	21.5	21.6	21.6	21.6	21.6	21.7	21.9	22.7
≥ 8000	14.7	16.8	17.9	18.1	21.1	21.5	22.0	22.6	22.9	23.0	23.0	23.0	23.0	23.1	23.2	24.1
≥ 7000	15.2	17.3	18.3	18.6	21.6	22.0	22.5	23.1	23.4	23.5	23.5	23.5	23.5	23.6	23.7	24.6
≥ 6000	15.3	17.5	18.5	18.9	21.9	22.2	22.7	23.4	23.6	23.7	23.7	23.7	23.7	23.9	24.0	24.8
≥ 5000	15.3	17.6	18.6	19.0	22.1	22.5	23.0	23.6	23.9	24.0	24.0	24.0	24.0	24.1	24.2	25.1
≥ 4500	16.6	19.3	21.2	20.7	24.0	24.3	25.0	25.6	25.8	26.0	26.0	26.0	26.0	26.1	26.2	27.1
≥ 4000	18.8	21.5	22.6	23.1	26.5	26.8	27.5	28.1	28.3	28.4	28.4	28.4	28.4	28.6	28.7	29.6
≥ 3500	20.4	23.1	24.2	24.8	28.6	28.9	29.6	30.3	30.6	30.7	30.7	30.7	30.7	30.8	30.9	31.8
≥ 3000	23.0	25.8	27.1	27.8	31.9	32.3	33.0	33.8	34.0	34.2	34.2	34.2	34.2	34.3	34.4	35.3
≥ 2500	26.5	29.4	31.4	32.3	36.8	37.1	38.0	38.8	39.0	39.1	39.1	39.1	39.1	39.3	39.4	40.2
≥ 2000	33.8	36.9	39.1	40.0	45.0	45.3	46.3	47.3	47.6	47.7	47.7	47.7	47.7	47.8	48.0	48.8
≥ 1800	35.4	38.9	41.1	42.0	47.1	47.5	48.6	49.6	49.8	49.9	49.9	49.9	49.9	50.1	50.2	51.1
≥ 1500	40.4	44.6	47.2	48.2	53.7	54.3	55.4	56.9	57.1	57.4	57.4	57.4	57.4	57.5	57.6	58.5
≥ 1200	45.1	50.6	53.4	54.4	60.4	61.0	62.9	64.7	65.1	65.3	65.3	65.3	65.3	65.5	65.6	66.5
≥ 1000	47.7	53.9	56.9	58.0	64.5	65.2	67.1	68.9	69.4	69.7	69.7	69.7	69.7	69.8	69.9	70.8
≥ 900	47.8	54.2	57.1	58.4	65.1	65.8	67.7	69.6	70.1	70.3	70.3	70.3	70.3	70.4	70.6	71.4
≥ 800	49.4	56.7	59.3	60.7	68.2	69.1	71.3	73.5	74.2	74.4	74.4	74.4	74.4	74.5	74.7	75.5
≥ 700	51.2	57.6	61.2	62.9	71.3	71.3	74.5	77.1	77.9	78.1	78.1	78.1	78.1	78.3	78.4	79.4
≥ 600	51.7	58.3	61.9	63.5	72.7	73.8	76.1	79.1	79.9	80.2	80.4	80.5	80.6	80.7	80.9	81.7
≥ 500	51.7	58.4	62.0	64.2	74.5	75.9	78.9	82.4	83.2	84.0	84.1	84.2	84.3	84.5	84.7	85.6
≥ 400	50.7	58.5	62.1	64.3	74.8	76.3	79.8	83.7	84.8	86.0	86.2	86.3	86.5	86.6	86.8	87.7
≥ 300	50.7	58.5	62.1	64.3	74.8	76.4	79.9	84.1	86.3	88.7	89.2	89.4	89.8	90.6	91.1	91.9
≥ 200	50.7	58.5	62.1	64.3	74.8	76.4	79.9	84.2	86.5	89.2	90.1	90.7	91.7	93.2	94.0	96.3
≥ 100	50.7	58.5	62.1	64.3	74.8	76.4	79.9	84.2	86.5	89.2	90.1	90.7	91.7	93.4	94.5	100.0
≥ 0	50.7	58.5	62.1	64.3	74.8	76.4	79.9	84.2	86.5	89.2	90.1	90.7	91.7	93.4	94.5	100.0

TOTAL NUMBER OF OBSERVATIONS 805

2

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
10100

STATION NAME
BITBURG AB DL

YEARS
73-81

MONTH
NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	15.5	16.3	16.6	17.3	18.4	18.4	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.9	19.3
≥ 20000	17.7	19.1	19.7	20.7	22.4	22.4	22.8	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.1	23.8
≥ 18000	17.9	19.1	19.7	20.7	22.4	22.4	22.8	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.1	23.8
≥ 16000	17.7	19.1	19.7	20.7	22.4	22.4	22.8	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.1	23.8
≥ 14000	17.9	19.1	19.7	20.7	22.4	22.4	22.8	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.1	23.8
≥ 12000	18.1	19.3	20.7	21.0	22.8	22.8	23.1	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.5	24.1
≥ 10000	18.8	20.0	20.8	22.0	24.1	24.1	24.6	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.0	25.6
≥ 9000	19.4	20.8	21.5	22.8	24.9	24.9	25.4	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.7	26.4
≥ 8000	20.7	22.4	23.3	24.5	26.7	26.9	27.4	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.7	28.3
≥ 7000	20.7	22.4	23.4	24.6	26.9	27.0	27.5	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.8	28.5
≥ 6000	20.8	22.5	23.5	24.8	27.0	27.1	27.6	27.8	27.8	27.8	27.8	27.8	27.8	27.8	28.0	28.6
≥ 5000	21.4	23.1	24.1	25.4	28.1	28.2	28.8	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.2	29.8
≥ 4500	22.7	23.8	24.9	26.1	29.5	29.6	30.2	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.6	31.2
≥ 4000	24.6	27.1	28.2	29.5	32.8	32.9	33.5	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.9	34.5
≥ 3500	27.8	30.6	31.7	32.9	36.5	36.6	37.3	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.6	38.2
≥ 3000	31.6	34.5	35.9	37.3	41.0	41.1	41.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.5	43.1
≥ 2500	36.6	40.3	42.0	43.4	47.3	47.4	48.0	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.8	49.4
≥ 2000	43.7	47.8	49.6	51.4	55.6	55.7	56.3	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.1	57.7
≥ 1800	45.3	49.6	51.5	53.2	57.4	57.5	58.2	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.9	59.5
≥ 1500	51.4	57.4	59.9	62.3	67.7	67.8	68.4	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.2	69.8
≥ 1200	54.7	62.9	65.7	68.1	74.0	74.1	74.9	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.7	76.4
≥ 1000	55.4	64.0	67.0	69.6	76.0	76.2	77.5	78.3	78.3	78.5	78.5	78.5	78.5	78.5	78.6	79.2
≥ 900	55.4	64.1	67.3	69.9	77.0	77.2	78.7	79.7	79.7	79.8	79.8	79.8	79.8	79.8	80.0	80.6
≥ 800	56.2	65.1	68.7	71.4	79.0	79.2	80.9	82.3	82.3	82.5	82.5	82.5	82.5	82.5	82.7	83.3
≥ 700	56.4	65.5	69.1	72.0	79.7	80.0	82.2	83.9	83.9	84.3	84.3	84.3	84.3	84.3	84.4	85.0
≥ 600	56.7	66.0	69.6	72.6	80.4	80.8	83.3	85.0	85.0	85.5	85.5	85.5	85.5	85.5	85.6	86.3
≥ 500	56.7	66.1	69.7	72.8	80.7	81.1	84.0	86.5	86.6	87.4	87.4	87.4	87.4	87.4	87.5	88.1
≥ 400	56.8	66.5	70.0	73.1	81.4	81.8	84.9	87.7	87.9	89.0	89.0	89.0	89.0	89.0	89.1	89.7
≥ 300	56.8	66.5	70.0	73.1	81.4	82.1	85.5	89.0	89.9	91.7	92.0	92.2	92.2	92.2	92.6	93.4
≥ 200	56.8	66.5	70.0	73.1	81.6	82.2	85.6	89.1	90.2	92.8	93.2	93.4	93.8	94.6	95.0	96.4
≥ 100	56.8	66.5	70.0	73.1	81.6	82.2	85.6	89.1	90.2	93.2	93.6	93.8	94.3	95.0	96.0	100.0
≥ 0	56.8	66.5	70.0	73.1	81.6	82.2	85.6	89.1	90.2	93.2	93.6	93.8	94.3	95.0	96.0	100.0

TOTAL NUMBER OF OBSERVATIONS 808

USAF ETAC FORM 0-14-5 (OL A) JUL 84 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2
FEDERAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 100 BITBURG AB DL

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 1/8	≥ 0
NO CEILING	17.5	18.9	19.7	20.1	21.5	21.8	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.2	22.5
≥ 27000	19.7	21.5	22.5	23.0	25.1	25.6	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	26.1	26.6
≥ 18000	20.7	21.7	22.7	23.2	25.3	25.9	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.4	26.9
≥ 15000	20.7	21.7	22.7	23.2	25.3	25.9	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.4	26.9
≥ 14000	20.7	21.7	22.7	23.2	25.3	25.9	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.4	26.9
≥ 12000	20.3	22.1	23.1	23.6	25.7	26.3	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.8	27.3
≥ 10000	21.5	23.2	24.2	24.7	26.8	27.4	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.9	28.4
≥ 9500	22.9	24.6	25.6	26.1	28.2	28.8	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.3	29.9
≥ 8000	23.9	25.9	26.9	27.4	29.7	30.3	30.9	30.9	31.0	31.0	31.0	31.0	31.1	31.1	31.3	31.8
≥ 7000	24.3	26.3	27.3	27.8	30.0	30.6	31.3	31.3	31.4	31.4	31.4	31.4	31.5	31.6	31.6	32.1
≥ 6000	24.4	26.4	27.4	27.9	30.1	30.8	31.4	31.4	31.5	31.5	31.5	31.5	31.6	31.8	31.8	32.3
≥ 5000	25.9	27.8	28.8	29.3	31.5	32.1	32.8	33.0	33.1	33.1	33.1	33.1	33.3	33.4	33.4	33.9
≥ 4500	28.2	30.1	31.1	32.1	34.9	35.5	36.2	36.5	36.8	36.8	36.8	36.8	37.0	37.1	37.1	37.6
≥ 4000	30.1	32.8	34.0	35.2	38.3	39.0	39.7	40.0	40.3	40.3	40.3	40.3	40.4	40.6	40.6	41.1
≥ 3500	34.1	37.1	38.3	39.7	43.1	43.7	44.4	44.7	45.0	45.0	45.0	45.0	45.2	45.3	45.3	45.8
≥ 3000	37.3	40.8	42.1	43.7	47.5	48.1	48.9	49.1	49.5	49.5	49.5	49.5	49.6	49.8	49.8	50.2
≥ 2500	40.8	44.9	46.4	48.0	52.2	53.0	53.7	54.0	54.3	54.3	54.3	54.3	54.5	54.6	54.6	55.1
≥ 2000	45.8	51.4	53.1	55.0	59.8	60.7	61.5	62.2	62.5	62.5	62.5	62.5	62.7	62.8	62.8	63.3
≥ 1800	46.7	52.2	54.0	56.1	61.2	62.0	62.9	63.5	63.9	63.9	63.9	63.9	64.0	64.1	64.1	64.6
≥ 1500	49.9	56.7	58.6	60.8	66.3	67.1	68.1	68.9	69.2	69.2	69.2	69.2	69.4	69.5	69.5	70.0
≥ 1200	52.3	59.6	61.9	64.3	70.3	71.2	72.3	73.3	73.7	73.7	73.7	73.7	73.8	73.9	73.9	74.4
≥ 1000	53.1	61.2	63.9	66.5	73.1	73.9	75.2	76.4	76.8	76.8	76.8	76.8	76.9	77.0	77.0	77.5
≥ 900	53.2	61.3	64.3	66.9	73.4	74.3	75.6	76.8	77.2	77.2	77.2	77.2	77.3	77.4	77.4	77.9
≥ 800	54.2	62.3	65.8	68.4	75.3	76.3	77.9	79.4	79.8	79.8	79.8	79.8	79.9	80.0	80.0	80.5
≥ 700	55.3	63.4	67.1	69.9	77.4	78.4	80.1	81.6	82.0	82.0	82.0	82.0	82.1	82.3	82.4	82.9
≥ 600	55.1	63.5	67.2	70.8	78.7	79.8	81.8	83.4	84.0	84.1	84.1	84.2	84.4	84.5	84.5	85.0
≥ 500	55.6	64.1	68.0	71.8	80.3	81.5	83.6	85.4	86.1	86.2	86.2	86.5	86.6	86.7	86.7	87.3
≥ 400	55.7	64.3	68.2	72.1	81.3	83.0	85.5	87.2	88.6	88.8	88.8	89.1	89.2	89.3	89.3	90.0
≥ 300	55.7	64.3	68.2	72.2	81.8	83.5	86.0	88.6	90.1	90.4	90.4	90.8	91.1	91.3	91.7	92.4
≥ 200	55.7	64.3	68.2	72.2	81.8	83.5	86.2	89.1	90.9	91.9	92.1	92.4	92.9	93.8	94.7	96.2
≥ 100	55.7	64.3	68.2	72.2	81.8	83.5	86.2	89.1	91.1	92.1	92.2	92.7	93.2	94.5	95.7	99.9
≥ 0	55.7	64.3	68.2	72.2	81.8	83.5	86.2	89.1	91.1	92.1	92.2	92.7	93.2	94.5	95.8	100.0

TOTAL NUMBER OF OBSERVATIONS 806

2

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1170 BITBURG AB DL

73-81

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	20.3	22.0	22.0	22.4	24.1	24.4	24.8	25.0	25.1	25.1	25.2	25.4	25.6	25.6	25.6	26.1
≥ 20000	22.5	24.4	24.4	24.8	26.5	26.7	27.1	27.4	27.5	27.5	27.6	27.7	28.0	28.0	28.0	28.5
≥ 18000	22.6	24.5	24.5	24.9	26.6	26.9	27.2	27.5	27.6	27.6	27.7	27.9	28.1	28.1	28.1	28.6
≥ 16000	22.6	24.5	24.5	24.9	26.6	26.9	27.2	27.5	27.6	27.6	27.7	27.9	28.1	28.1	28.1	28.6
≥ 14000	22.6	24.5	24.5	24.9	26.6	26.9	27.2	27.5	27.6	27.6	27.7	27.9	28.1	28.1	28.1	28.6
≥ 12000	22.6	24.5	24.5	24.9	26.6	26.9	27.2	27.5	27.6	27.6	27.7	27.9	28.1	28.1	28.1	28.6
≥ 10000	23.3	25.1	25.1	25.5	27.5	27.7	28.1	28.4	28.5	28.5	28.6	28.7	29.0	29.0	29.0	29.5
≥ 9000	24.0	25.9	25.9	26.2	28.2	28.5	28.9	29.1	29.2	29.2	29.4	29.5	29.7	29.7	29.7	30.2
≥ 8000	25.4	27.4	27.4	27.7	30.1	30.6	31.1	31.3	31.5	31.5	31.6	31.7	32.0	32.0	32.0	32.5
≥ 7000	25.4	27.4	27.4	27.7	30.1	30.6	31.1	31.3	31.5	31.5	31.6	31.7	32.0	32.0	32.0	32.5
≥ 6000	26.0	28.0	28.0	28.4	30.7	31.2	31.7	32.0	32.1	32.1	32.2	32.3	32.6	32.6	32.6	33.1
≥ 5000	28.0	30.0	30.2	30.6	33.1	33.6	34.2	34.5	34.6	34.6	34.7	34.8	35.1	35.1	35.1	35.6
≥ 4500	31.2	33.2	33.5	34.1	36.7	37.2	37.8	38.1	38.2	38.3	38.4	38.6	38.8	38.8	38.8	39.3
≥ 4000	33.5	35.4	35.7	36.3	39.3	39.8	40.4	40.7	40.8	41.2	41.3	41.4	41.7	41.7	41.7	42.2
≥ 3500	36.1	38.1	38.3	39.1	42.2	42.7	43.3	43.5	43.7	44.0	44.2	44.3	44.5	44.5	44.5	45.0
≥ 3000	39.3	41.5	41.9	43.3	46.5	47.0	47.6	47.9	48.0	48.4	48.5	48.6	48.9	48.9	48.9	49.4
≥ 2500	41.8	44.7	45.0	46.4	50.6	51.2	51.9	52.1	52.2	52.6	52.7	52.9	53.1	53.1	53.1	53.6
≥ 2000	46.5	49.8	50.2	51.6	56.6	57.2	57.8	58.1	58.2	58.6	58.7	58.8	59.1	59.1	59.1	59.6
≥ 1800	47.8	51.1	51.6	53.2	58.3	59.0	59.6	59.8	60.0	60.3	60.4	60.6	60.8	60.8	60.8	61.3
≥ 1500	53.1	57.0	57.5	59.6	64.9	65.9	66.7	66.9	67.2	67.5	67.7	67.8	68.0	68.0	68.0	68.7
≥ 1200	56.2	60.7	61.3	64.2	70.0	71.0	71.8	72.0	72.3	72.6	72.8	72.9	73.1	73.1	73.1	73.8
≥ 1000	57.5	62.4	63.3	66.3	72.3	73.3	74.0	74.4	74.6	75.1	75.2	75.4	75.6	75.6	75.6	76.2
≥ 900	58.2	63.4	64.3	67.3	73.4	74.4	75.1	75.5	75.7	76.2	76.4	76.5	76.7	76.7	76.7	77.4
≥ 800	59.2	64.7	65.9	68.9	75.1	76.1	77.1	77.6	77.9	78.4	78.5	78.6	78.9	78.9	78.9	79.5
≥ 700	61.7	67.3	69.0	72.5	79.7	80.8	81.8	82.8	83.2	83.7	83.8	84.0	84.2	84.2	84.2	84.8
≥ 600	61.8	67.4	69.3	73.0	80.6	81.7	83.1	84.3	84.7	85.2	85.3	85.4	85.7	85.7	85.7	86.3
≥ 500	62.1	67.7	69.7	73.6	81.5	82.6	84.5	86.2	86.9	87.4	87.6	87.7	87.9	87.9	87.9	88.6
≥ 400	62.1	67.7	69.7	73.6	81.6	82.8	84.8	86.6	87.9	88.4	88.6	88.8	89.1	89.1	89.1	89.7
≥ 300	62.1	67.7	69.7	73.6	81.8	83.3	85.4	87.6	89.2	89.8	89.9	90.2	90.4	90.4	90.5	91.8
≥ 200	62.1	67.7	69.7	73.6	81.8	83.5	85.6	87.9	89.8	90.8	90.9	91.2	91.8	92.2	92.8	95.8
≥ 100	62.1	67.7	69.7	73.6	81.8	83.5	85.6	87.9	90.3	91.4	91.5	91.8	92.4	92.8	93.9	99.8
≥ 0	62.1	67.7	69.7	73.6	81.8	83.5	85.6	87.9	90.3	91.4	91.5	91.8	92.4	92.8	93.9	100.0

TOTAL NUMBER OF OBSERVATIONS 804

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 100 BITBURG AB DL

73-81

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 1/20	≥ 0
NO CEILING	15.0	16.4	16.9	17.3	18.8	19.0	19.6	19.8	20.0	20.1	20.1	20.1	20.2	20.3	20.4	21.1
≥ 20000	16.7	18.3	19.0	19.5	21.3	21.6	22.2	22.6	22.8	22.9	23.0	23.0	23.0	23.2	23.2	24.0
≥ 18000	16.7	18.4	19.1	19.6	21.3	21.7	22.3	22.7	22.9	23.0	23.1	23.1	23.1	23.3	23.4	24.1
≥ 16000	16.7	18.4	19.1	19.6	21.3	21.7	22.3	22.7	22.9	23.0	23.1	23.1	23.1	23.3	23.4	24.1
≥ 14000	16.7	18.4	19.1	19.6	21.4	21.7	22.4	22.7	22.9	23.0	23.1	23.1	23.2	23.3	23.4	24.2
≥ 12000	16.8	18.6	19.3	19.8	21.5	21.9	22.5	22.9	23.1	23.2	23.3	23.3	23.4	23.5	23.6	24.3
≥ 10000	17.4	19.2	19.9	20.4	22.3	22.6	23.4	23.8	24.0	24.1	24.2	24.2	24.3	24.4	24.5	25.3
≥ 9000	18.3	19.8	20.5	21.1	23.0	23.4	24.1	24.5	24.7	24.9	24.9	25.0	25.0	25.2	25.3	26.1
≥ 8000	19.0	21.1	21.8	22.4	24.5	24.9	25.7	26.2	26.4	26.6	26.6	26.7	26.8	26.9	27.0	27.8
≥ 7000	19.2	21.2	22.0	22.6	24.7	25.1	25.9	26.3	26.6	26.8	26.8	26.9	26.9	27.1	27.2	28.0
≥ 6000	19.4	21.4	22.2	22.8	24.8	25.3	26.1	26.5	26.8	26.9	27.0	27.0	27.1	27.3	27.4	28.2
≥ 5000	20.5	22.6	23.4	24.0	26.2	26.7	27.6	28.0	28.3	28.5	28.5	28.5	28.6	28.8	28.9	29.7
≥ 4500	22.5	24.8	25.7	26.5	28.9	29.4	30.4	30.9	31.2	31.4	31.4	31.5	31.6	31.7	31.8	32.6
≥ 4000	24.9	27.5	28.5	29.4	32.0	32.5	33.6	34.1	34.5	34.7	34.8	34.8	34.9	35.0	35.1	36.0
≥ 3500	27.1	29.9	30.9	31.8	34.6	35.1	36.2	36.8	37.2	37.4	37.5	37.5	37.6	37.7	37.8	38.7
≥ 3000	30.0	33.1	34.2	35.3	38.4	38.9	40.1	40.7	41.1	41.4	41.4	41.5	41.6	41.7	41.8	42.6
≥ 2500	32.9	36.4	37.8	39.0	42.5	43.1	44.2	44.9	45.3	45.6	45.6	45.7	45.8	45.9	46.0	46.8
≥ 2000	38.7	42.1	43.7	45.1	49.1	49.8	51.0	51.7	52.2	52.5	52.6	52.6	52.8	52.9	53.0	53.8
≥ 1800	39.2	43.5	45.1	46.7	50.8	51.4	52.8	53.5	54.0	54.3	54.4	54.5	54.6	54.7	54.8	55.6
≥ 1500	44.2	49.3	51.2	53.0	57.6	58.5	60.0	61.0	61.5	61.8	61.9	62.0	62.1	62.3	62.4	63.2
≥ 1200	47.6	53.5	55.6	57.6	62.8	63.7	65.4	66.5	67.1	67.4	67.5	67.6	67.7	67.8	68.0	68.8
≥ 1000	49.5	56.1	58.3	60.5	66.2	67.1	69.1	70.2	70.8	71.2	71.3	71.4	71.5	71.6	71.7	72.6
≥ 900	49.9	56.7	59.1	61.4	67.2	68.2	70.1	71.3	72.0	72.3	72.4	72.5	72.6	72.7	72.9	73.7
≥ 800	51.1	58.3	61.0	63.4	69.6	70.6	72.9	74.2	74.8	75.2	75.3	75.4	75.5	75.7	75.8	76.7
≥ 700	52.2	59.7	62.6	65.4	72.2	73.3	75.7	77.3	78.1	78.5	78.6	78.7	78.8	78.9	79.1	80.0
≥ 600	52.6	60.4	63.4	66.5	73.7	74.8	77.6	79.4	80.3	80.8	80.9	81.0	81.1	81.3	81.4	82.3
≥ 500	52.8	60.6	63.8	67.2	75.1	76.4	79.6	81.8	82.9	83.5	83.7	83.8	83.9	84.1	84.3	85.2
≥ 400	52.8	60.8	64.0	67.4	75.9	77.4	80.8	83.3	84.6	85.5	85.6	85.8	85.9	86.1	86.4	87.3
≥ 300	52.8	60.8	64.0	67.5	76.2	77.8	81.5	84.5	86.4	87.8	88.1	88.4	88.6	89.1	89.6	90.7
≥ 200	52.8	60.8	64.0	67.5	76.2	77.8	81.7	84.9	87.1	89.1	89.5	89.8	90.3	91.4	92.2	94.9
≥ 100	52.8	60.8	64.0	67.5	76.2	77.8	81.7	84.9	87.2	89.4	89.8	90.3	90.8	92.2	93.8	99.9
≥ 0	52.8	60.8	64.0	67.5	76.2	77.8	81.7	84.9	87.2	89.4	89.8	90.3	90.8	92.2	93.8	100.0

TOTAL NUMBER OF OBSERVATIONS 6432

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
100

STATION NAME
BITBURG AB DL

YEARS
73-81

MONTH
DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	12.9	15.4	15.8	15.9	17.1	17.4	18.6	18.8	18.9	19.1	19.1	19.1	19.1	19.5	19.7	20.4
≥ 20000	13.8	16.9	17.2	17.4	18.6	18.9	20.5	20.8	20.9	21.0	21.0	21.0	21.0	21.5	21.6	22.3
≥ 18000	13.8	16.9	17.2	17.4	18.6	18.9	20.5	20.8	20.9	21.0	21.0	21.0	21.0	21.5	21.6	22.3
≥ 16000	13.8	16.9	17.2	17.4	18.6	18.9	20.5	20.8	20.9	21.0	21.0	21.0	21.0	21.5	21.6	22.3
≥ 14000	13.8	16.9	17.2	17.4	18.6	18.9	20.5	20.8	20.9	21.0	21.0	21.0	21.0	21.5	21.6	22.3
≥ 12000	13.8	16.9	17.2	17.4	18.6	18.9	20.5	20.8	20.9	21.0	21.0	21.0	21.0	21.5	21.6	22.3
≥ 10000	14.6	17.6	18.1	18.2	19.5	19.9	21.5	21.7	21.8	22.0	22.0	22.0	22.0	22.5	22.6	23.3
≥ 9000	15.5	18.6	19.1	19.2	20.5	20.9	22.5	22.7	22.8	22.9	22.9	22.9	22.9	23.4	23.5	24.3
≥ 8000	16.3	19.3	20.0	20.1	21.8	22.2	23.8	24.0	24.2	24.3	24.3	24.3	24.3	24.8	24.9	25.6
≥ 7000	16.3	19.3	20.0	20.1	21.8	22.2	23.8	24.0	24.2	24.3	24.3	24.3	24.3	24.8	24.9	25.6
≥ 6000	16.5	19.5	20.3	20.4	22.1	22.5	24.0	24.3	24.4	24.5	24.5	24.5	24.5	25.0	25.1	25.8
≥ 5000	16.9	20.0	20.9	20.9	22.6	22.9	24.5	24.8	24.9	25.0	25.0	25.0	25.0	25.5	25.6	26.3
≥ 4500	19.3	22.6	23.3	23.4	25.1	25.7	27.3	27.5	27.7	27.8	27.8	27.8	27.8	28.3	28.4	29.1
≥ 4000	21.1	24.4	25.1	25.4	27.1	27.7	29.2	29.5	29.6	29.7	29.7	29.7	29.7	30.2	30.3	31.1
≥ 3500	23.2	26.5	27.2	27.4	29.4	30.1	31.7	32.0	32.2	32.3	32.3	32.3	32.3	32.8	32.9	33.6
≥ 3000	26.0	29.4	30.1	30.6	32.6	33.4	35.0	35.4	35.6	35.7	35.7	35.8	35.8	36.3	36.4	37.1
≥ 2500	29.0	32.6	33.5	34.1	36.7	37.4	39.0	39.4	39.6	39.7	39.7	39.8	39.8	40.3	40.4	41.1
≥ 2000	32.6	36.9	37.9	38.5	41.1	41.9	43.6	44.1	44.2	44.3	44.3	44.4	44.4	44.9	45.0	45.8
≥ 1800	33.7	38.0	39.0	39.7	42.4	43.1	44.9	45.4	45.5	45.6	45.6	45.8	45.8	46.2	46.4	47.1
≥ 1500	38.6	43.8	45.0	45.8	48.4	49.2	51.1	51.6	51.7	51.8	51.8	51.9	51.9	52.4	52.5	53.3
≥ 1200	43.3	49.3	50.7	51.7	54.7	55.5	57.4	57.9	58.0	58.1	58.1	58.3	58.3	58.7	58.9	59.6
≥ 1000	46.2	52.5	54.1	55.3	59.0	60.1	62.0	62.5	62.7	62.9	62.9	63.0	63.0	63.5	63.6	64.3
≥ 900	46.7	53.0	54.6	55.8	59.5	60.6	62.5	63.0	63.3	63.5	63.5	63.6	63.6	64.1	64.2	64.9
≥ 800	48.3	55.0	57.2	58.7	62.7	64.0	65.9	66.5	67.0	67.1	67.1	67.2	67.2	67.7	67.8	68.6
≥ 700	49.3	57.3	59.6	61.2	65.8	67.4	69.4	70.1	70.8	71.1	71.1	71.2	71.2	71.7	71.8	72.6
≥ 600	49.8	58.3	60.8	62.5	67.5	69.1	71.4	72.2	73.3	73.8	73.8	73.9	73.9	74.4	74.5	75.2
≥ 500	50.6	59.1	61.9	64.1	70.3	71.8	74.6	76.0	77.1	77.5	77.5	77.7	77.7	78.2	78.3	79.0
≥ 400	50.7	59.7	62.5	64.7	71.7	73.3	76.6	78.9	80.5	81.1	81.1	81.2	81.2	81.7	81.8	82.5
≥ 300	50.7	59.8	62.7	64.9	72.3	74.0	78.4	82.0	84.3	85.7	85.9	86.2	86.4	87.0	87.1	88.0
≥ 200	50.7	59.8	62.7	64.9	72.6	74.3	78.6	82.5	85.2	87.9	88.3	88.7	89.3	90.3	90.8	92.5
≥ 100	50.7	59.8	62.7	64.9	72.7	74.4	78.8	82.8	85.8	89.2	89.9	90.4	91.0	93.6	94.7	99.8
≥ 0	50.7	59.8	62.7	64.9	72.7	74.4	78.8	82.8	85.8	89.2	89.9	90.4	91.0	93.7	94.8	100.0

TOTAL NUMBER OF OBSERVATIONS 824

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

100
STATION

BITBURG AB DL
STATION NAME

73-81
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1300-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	10.3	12.5	13.5	13.8	15.8	16.0	16.9	17.2	17.4	17.5	17.5	17.6	18.0	18.3	18.6	18.8
≥ 20000	11.3	14.4	15.5	15.9	18.	18.2	19.1	19.4	19.5	19.7	19.7	19.8	20.1	20.5	20.8	21.0
≥ 18000	11.4	14.6	15.7	16.0	18.1	18.3	19.2	19.5	19.7	19.8	19.8	19.9	20.3	20.6	20.9	21.1
≥ 16000	11.4	14.6	15.7	16.0	18.1	18.3	19.2	19.5	19.7	19.8	19.8	19.9	20.3	20.6	20.9	21.1
≥ 14000	11.4	14.6	15.7	16.0	18.1	18.3	19.2	19.5	19.7	19.8	19.8	19.9	20.3	20.6	20.9	21.1
≥ 12000	11.4	14.7	15.6	16.1	18.2	18.4	19.3	19.7	19.8	19.9	19.9	20.0	20.4	20.8	21.0	21.2
≥ 10000	11.5	14.8	15.9	16.3	18.4	18.7	19.5	19.9	20.0	20.1	20.1	20.3	20.6	21.0	21.2	21.5
≥ 9000	11.9	15.2	16.3	16.9	19.1	19.3	20.1	20.5	20.6	20.8	20.8	20.9	21.2	21.6	21.8	22.1
≥ 8000	12.9	16.4	17.5	18.1	20.4	20.6	21.5	21.8	22.0	22.1	22.1	22.2	22.6	22.9	23.2	23.4
≥ 7000	12.9	16.4	17.5	18.1	20.4	20.6	21.5	21.8	22.0	22.1	22.1	22.2	22.6	22.9	23.2	23.4
≥ 6000	12.9	16.4	17.5	18.1	20.4	20.6	21.5	21.8	22.0	22.1	22.1	22.2	22.6	22.9	23.2	23.4
≥ 5000	13.6	17.1	18.2	18.8	21.1	21.4	22.2	22.7	22.9	23.1	23.1	23.2	23.5	23.9	24.2	24.4
≥ 4500	16.4	20.0	21.1	21.8	24.2	25.0	25.8	26.3	26.7	26.8	26.8	26.9	27.3	27.7	27.9	28.2
≥ 4000	18.3	22.2	23.3	24.0	26.3	27.2	28.0	28.5	29.0	29.1	29.1	29.2	29.6	30.0	30.2	30.5
IV 3500	19.9	23.9	25.0	25.7	28.4	29.2	30.1	30.6	31.1	31.2	31.2	31.3	31.7	32.0	32.3	32.5
IV 3000	22.5	26.6	27.7	28.4	31.1	31.9	32.8	33.3	33.7	33.9	33.9	34.0	34.3	34.7	35.0	35.2
IV 2500	24.2	29.0	30.1	31.2	34.0	34.8	35.7	36.2	36.7	36.8	36.8	36.9	37.3	37.6	37.9	38.1
IV 2000	28.0	33.3	34.8	36.0	38.8	39.7	40.5	41.0	41.5	41.6	41.6	41.7	42.1	42.5	42.7	43.0
IV 1800	29.2	34.5	36.0	37.4	40.2	41.0	41.9	42.5	43.1	43.4	43.4	43.6	43.9	44.3	44.5	44.8
IV 1500	35.7	41.1	43.0	44.7	47.6	48.4	49.3	49.9	50.6	51.1	51.1	51.2	51.6	51.9	52.2	52.4
IV 1200	42.7	47.9	50.0	52.2	55.3	56.2	57.0	57.6	58.6	59.1	59.1	59.2	59.6	60.0	60.2	60.4
IV 1000	44.4	50.8	53.0	55.3	58.5	59.5	60.6	61.2	62.1	62.7	62.7	62.9	63.2	63.6	63.8	64.1
IV 900	45.7	51.5	53.6	55.9	59.5	60.4	61.5	62.4	63.3	64.0	64.0	64.1	64.4	64.8	65.0	65.3
IV 800	46.8	53.4	55.7	58.1	62.1	63.1	64.2	65.7	66.6	67.2	67.2	67.4	67.7	68.1	68.3	68.6
IV 700	48.2	55.3	58.0	60.7	65.0	66.3	68.0	69.5	70.6	71.2	71.2	71.4	71.7	72.1	72.3	72.6
IV 600	48.4	55.6	58.9	62.0	66.7	68.0	69.8	71.4	72.6	73.2	73.2	73.3	73.7	74.0	74.3	74.5
IV 500	48.5	55.7	59.2	62.6	68.8	70.5	73.1	74.6	76.2	77.1	77.1	77.2	77.5	78.0	78.3	78.6
IV 400	48.5	55.7	59.2	62.9	69.7	71.4	74.3	76.9	78.9	80.0	80.2	80.3	80.7	81.2	81.4	81.8
IV 300	48.5	55.7	59.5	63.3	71.1	72.8	76.5	80.1	82.6	84.5	84.7	84.8	85.2	85.8	86.2	86.5
IV 200	48.5	55.7	59.5	63.3	71.5	73.4	77.4	81.4	84.5	86.9	87.1	87.4	87.7	89.4	90.2	91.5
IV 100	48.5	55.7	59.5	63.3	71.5	73.4	77.4	81.4	84.7	88.2	88.6	89.4	89.9	93.3	95.4	99.8
IV 0	48.5	55.7	59.5	63.3	71.5	73.5	77.5	81.6	84.8	88.3	88.7	89.6	90.0	93.6	95.6	100.0

TOTAL NUMBER OF OBSERVATIONS 824

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
1 100STATION NAME
BITBURG AB DLYEARS
73-81MONTH
DECPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)HOURS (L.S.T.)
0600-0800

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	¾
NO CEILING	9.7	10.2	11.4	12.4	13.8	14.3	14.8	15.2	15.2	15.4	15.4	15.4	15.4	15.4	15.6	15.8
≥ 20000	10.8	12.4	13.7	14.7	16.4	16.8	17.5	17.8	17.8	18.1	18.1	18.1	18.1	18.1	18.3	18.4
≥ 18000	10.9	12.5	13.8	14.8	16.5	17.0	17.6	17.9	17.9	18.2	18.2	18.2	18.2	18.2	18.4	18.5
≥ 16000	10.9	12.5	13.8	14.8	16.5	17.0	17.6	17.9	17.9	18.2	18.2	18.2	18.2	18.2	18.4	18.5
≥ 14000	10.9	12.5	13.8	14.8	16.5	17.0	17.6	17.9	17.9	18.2	18.2	18.2	18.2	18.2	18.4	18.5
≥ 12000	10.9	12.5	13.8	14.8	16.5	17.0	17.6	17.9	17.9	18.2	18.2	18.2	18.2	18.2	18.4	18.5
≥ 10000	10.9	12.5	13.8	14.8	16.6	17.1	17.7	18.1	18.1	18.3	18.3	18.3	18.3	18.3	18.5	18.7
≥ 9000	11.5	13.1	14.4	15.4	17.2	17.7	18.3	18.7	18.7	18.9	18.9	18.9	18.9	18.9	19.2	19.3
≥ 8000	12.4	14.1	15.5	16.7	18.8	19.3	19.9	20.2	20.2	20.5	20.5	20.5	20.5	20.5	20.7	20.8
≥ 7000	12.6	14.4	15.9	17.1	19.2	19.6	20.2	20.6	20.6	20.8	20.8	20.8	20.8	20.8	21.1	21.2
≥ 6000	12.6	14.4	15.9	17.1	19.2	19.6	20.2	20.6	20.6	20.8	20.8	20.8	20.8	20.8	21.1	21.2
≥ 5000	13.1	14.9	16.4	17.6	19.8	20.2	20.8	21.5	21.5	21.7	21.7	21.7	21.7	21.7	21.9	22.1
≥ 4500	14.9	16.8	18.3	19.5	21.7	22.4	23.2	23.9	24.0	24.4	24.5	24.5	24.5	24.5	24.7	24.8
≥ 4000	17.3	19.3	20.7	21.9	24.1	24.8	25.7	26.5	26.8	27.2	27.3	27.3	27.3	27.3	27.5	27.6
≥ 3500	19.4	21.3	22.8	24.0	26.2	27.2	28.1	29.0	29.3	29.7	29.8	29.8	29.8	29.8	30.1	30.2
≥ 3000	21.5	23.5	25.0	26.2	28.5	29.5	30.4	31.3	31.6	32.0	32.1	32.1	32.1	32.1	32.4	32.5
≥ 2500	22.7	24.8	26.3	27.8	30.4	31.4	32.5	33.3	33.7	34.1	34.2	34.2	34.2	34.2	34.4	34.7
≥ 2000	29.5	32.5	34.1	35.6	38.8	39.9	41.1	41.9	42.3	42.7	42.8	42.8	42.8	42.8	43.0	43.3
≥ 1800	30.9	34.2	35.9	37.6	41.0	42.1	43.4	44.2	44.6	45.1	45.2	45.2	45.2	45.2	45.6	45.8
≥ 1500	35.9	39.9	42.1	44.0	47.8	49.0	50.5	51.8	52.1	52.6	52.7	52.7	52.7	52.7	53.2	53.5
≥ 1200	40.1	44.8	47.0	49.7	53.9	55.2	57.0	58.3	58.7	59.3	59.4	59.4	59.4	59.4	59.9	60.1
≥ 1000	43.0	48.4	50.5	53.5	57.8	59.0	61.0	62.3	62.7	63.3	63.4	63.4	63.4	63.4	63.9	64.1
≥ 900	43.6	49.1	51.4	54.4	58.9	60.1	62.1	63.6	64.0	64.6	64.7	64.7	64.7	64.7	65.2	65.5
≥ 800	45.1	50.5	53.2	56.6	61.7	62.9	64.8	66.5	66.9	67.5	67.6	67.6	67.6	67.6	68.1	68.4
≥ 700	46.4	52.4	55.2	58.8	64.5	65.7	67.8	70.1	70.4	71.0	71.2	71.2	71.2	71.2	71.6	71.9
≥ 600	47.1	53.1	56.2	60.7	67.2	68.5	70.5	73.1	73.5	74.1	74.2	74.2	74.2	74.2	74.7	74.9
≥ 500	47.4	53.6	57.0	61.5	68.8	70.2	72.7	75.4	76.1	76.8	77.0	77.0	77.0	77.1	77.7	77.9
≥ 400	47.6	53.9	57.3	61.8	69.8	71.2	74.3	78.2	79.2	80.1	80.2	80.2	80.2	80.4	81.0	81.2
≥ 300	47.6	53.9	57.3	61.9	70.3	71.8	75.6	80.4	81.9	83.3	83.5	83.5	83.5	83.8	84.6	84.8
≥ 200	47.6	53.9	57.5	62.1	70.8	72.2	76.2	81.3	84.2	86.8	87.4	87.5	87.5	88.1	89.7	90.4
≥ 100	47.6	53.9	57.5	62.1	70.8	72.2	76.4	81.5	84.4	87.8	88.6	88.7	88.7	89.7	93.5	95.5
≥ 0	47.6	53.9	57.5	62.1	70.8	72.2	76.4	81.5	84.4	87.8	88.6	88.7	88.7	89.7	93.5	95.8

TOTAL NUMBER OF OBSERVATIONS 825

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATMOSPHERIC SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
1110

STATION NAME
BITBURG AB DL

YEARS
73-81

MONTH
DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH
9900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	7.9	9.6	10.9	11.3	13.2	13.5	13.5	13.7	13.7	13.7	13.9	13.9	13.9	14.1	14.1	14.6
≥ 20000	9.3	11.2	12.8	13.2	15.8	16.2	16.3	16.5	16.6	16.6	16.8	16.8	16.8	17.0	17.1	17.6
IN 18000	9.7	11.2	12.8	13.2	15.8	16.2	16.3	16.5	16.6	16.6	16.8	16.8	16.8	17.0	17.1	17.6
IN 16000	9.7	11.2	12.8	13.2	15.8	16.2	16.3	16.5	16.6	16.6	16.8	16.8	16.8	17.0	17.1	17.6
IN 14000	9.7	11.2	12.8	13.2	15.8	16.2	16.3	16.5	16.6	16.6	16.8	16.8	16.8	17.0	17.1	17.6
IN 12000	9.7	11.4	13.0	13.5	16.0	16.4	16.5	16.8	16.9	16.9	17.0	17.0	17.0	17.1	17.4	18.0
IN 10000	9.5	11.9	13.5	14.0	16.5	16.9	17.0	17.3	17.4	17.4	17.5	17.5	17.6	17.9	18.0	18.5
IN 9000	9.7	12.2	14.0	14.6	17.1	17.5	17.6	17.9	18.0	18.0	18.1	18.1	18.2	18.5	18.6	19.1
IN 8000	10.2	12.8	14.7	15.6	18.3	18.7	18.8	19.1	19.2	19.2	19.3	19.3	19.4	19.7	19.8	20.3
IN 7000	10.6	13.1	15.1	15.9	18.8	19.2	19.3	19.7	19.8	19.8	19.9	19.9	20.0	20.3	20.4	20.9
IN 6000	10.8	13.4	15.3	16.2	19.1	19.4	19.6	19.9	20.0	20.0	20.2	20.2	20.3	20.5	20.7	21.1
IN 5000	11.3	13.9	16.0	16.9	19.9	20.3	20.4	20.9	21.1	21.1	21.3	21.3	21.4	21.6	21.7	22.2
IN 4500	12.7	14.8	17.1	18.2	21.6	22.0	22.2	22.7	23.0	23.0	23.1	23.1	23.2	23.5	23.6	24.1
IN 4000	12.9	15.7	18.0	19.1	22.5	22.8	23.2	23.7	24.1	24.1	24.2	24.2	24.3	24.5	24.7	25.2
IN 3500	13.9	17.0	19.3	20.4	24.1	24.4	24.9	25.9	26.4	26.5	26.6	26.6	26.7	27.1	27.2	27.7
IN 3000	16.2	20.2	22.6	23.9	27.7	28.2	28.7	29.6	30.1	30.3	30.4	30.4	30.5	30.9	31.0	31.5
IN 2500	19.0	23.3	25.8	27.2	31.7	32.2	32.8	34.0	34.6	34.9	35.0	35.0	35.1	35.5	35.6	36.1
IN 2000	23.8	29.2	31.8	33.5	38.3	38.9	40.1	41.6	42.3	42.9	43.0	43.0	43.4	43.7	44.0	44.5
IN 1800	24.9	30.3	32.9	34.6	39.5	40.1	41.3	42.8	43.5	44.1	44.2	44.2	44.6	45.0	45.2	45.7
IN 1500	29.9	36.3	39.1	40.8	46.5	47.3	48.8	50.3	51.0	51.9	52.0	52.0	52.4	52.7	53.0	53.5
IN 1200	33.3	41.7	44.6	46.5	52.6	53.3	55.2	56.7	57.6	58.4	58.6	58.6	58.9	59.4	59.7	60.1
IN 1000	36.5	45.6	49.0	51.0	57.4	58.1	60.0	61.6	62.5	63.4	63.5	63.5	63.9	64.4	64.6	65.1
IN 900	36.5	45.7	49.1	51.3	57.8	58.6	60.5	62.1	62.9	63.9	64.0	64.0	64.4	64.9	65.1	65.6
IN 800	38.2	47.6	51.3	53.6	60.6	61.4	63.4	65.0	65.9	66.8	67.0	67.0	67.3	67.8	68.0	68.5
IN 700	39.2	49.3	53.5	56.1	63.4	64.3	66.7	68.4	69.5	70.7	70.8	70.8	71.2	71.7	71.9	72.4
IN 600	39.6	49.7	53.8	56.5	64.4	65.2	67.9	70.0	71.1	72.7	72.8	72.8	73.1	73.6	74.0	74.5
IN 500	40.1	50.4	54.6	57.2	66.0	67.0	70.6	73.0	74.2	76.3	76.4	76.4	77.2	77.6	78.0	78.5
IN 400	40.3	50.8	54.9	57.6	66.7	67.7	71.9	74.7	76.2	78.6	78.7	78.7	79.6	80.1	80.4	80.9
IN 300	40.5	51.0	55.2	57.8	67.2	68.2	72.9	76.8	79.1	82.6	83.0	83.1	84.0	84.4	84.9	85.5
IN 200	40.5	51.0	55.2	57.8	67.2	68.2	73.1	77.9	81.2	86.4	87.2	87.7	88.9	90.8	92.1	94.5
IN 100	40.5	51.0	55.2	57.8	67.2	68.2	73.3	78.0	81.3	86.6	87.7	88.6	89.9	92.6	94.8	99.6
IN 0	40.5	51.0	55.2	57.8	67.2	68.2	73.3	78.0	81.3	86.6	87.7	88.6	89.9	92.6	94.9	99.0

TOTAL NUMBER OF OBSERVATIONS 823

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
17100

STATION NAME
BITBURG AB DL

YEARS
73-81

MONTH
DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	¾
NO CEILING	9.9	12.2	13.7	14.3	15.5	15.5	15.6	15.9	15.9	16.2	16.2	16.4	16.5	16.6	16.6	17.0
≥ 20000	11.8	14.7	16.4	17.2	18.5	18.5	18.7	18.9	18.9	19.3	19.3	19.4	19.5	19.6	19.6	20.0
≥ 18000	11.8	14.7	16.5	17.5	18.8	18.8	18.9	19.2	19.2	19.5	19.5	19.6	19.8	19.9	19.9	20.2
≥ 16000	11.8	14.7	16.5	17.5	18.8	18.8	18.9	19.2	19.2	19.5	19.5	19.6	19.8	19.9	19.9	20.2
≥ 14000	11.9	14.8	16.6	17.6	18.9	18.9	19.0	19.3	19.3	19.6	19.6	19.8	19.9	20.0	20.0	20.4
≥ 12000	11.9	14.8	16.6	17.6	18.9	18.9	19.0	19.3	19.3	19.6	19.6	19.8	19.9	20.0	20.0	20.4
≥ 10000	12.2	15.2	17.0	18.1	19.9	19.9	20.0	20.2	20.2	20.6	20.6	20.7	20.8	21.0	21.0	21.3
≥ 9000	12.5	15.5	17.3	18.4	20.2	20.2	20.4	20.6	20.6	21.0	21.0	21.1	21.2	21.3	21.3	21.7
≥ 8000	13.2	16.2	18.1	19.2	21.3	21.3	21.5	21.7	21.7	22.2	22.2	22.3	22.4	22.5	22.5	22.9
≥ 7000	13.2	16.2	18.1	19.2	21.3	21.3	21.5	21.7	21.7	22.2	22.2	22.3	22.4	22.5	22.5	22.9
≥ 6000	13.2	16.2	18.1	19.2	21.3	21.3	21.5	21.7	21.7	22.2	22.2	22.3	22.4	22.5	22.5	22.9
≥ 5000	13.5	16.5	18.3	19.4	21.6	21.6	21.7	22.1	22.1	22.7	22.7	22.8	22.9	23.0	23.0	23.4
≥ 4500	14.1	17.1	18.9	20.1	22.4	22.4	22.5	23.0	23.0	23.6	23.6	23.8	23.9	24.1	24.1	24.5
≥ 4000	14.1	18.1	19.9	21.1	23.5	23.5	23.6	24.2	24.4	25.0	25.0	25.1	25.2	25.5	25.5	25.8
≥ 3500	16.7	20.2	22.1	23.3	25.7	25.7	26.1	26.9	27.0	27.9	27.9	28.0	28.1	28.5	28.5	28.8
≥ 3000	18.2	22.3	24.1	25.3	28.1	28.1	28.8	29.7	29.8	30.7	30.7	30.8	30.9	31.3	31.3	31.6
≥ 2500	21.1	25.5	27.3	28.5	31.4	31.4	32.6	33.6	33.9	34.8	34.8	34.9	35.0	35.4	35.4	35.8
≥ 2000	26.1	31.8	33.8	35.6	39.0	39.2	41.1	42.3	42.9	44.2	44.2	44.4	44.5	44.8	44.8	45.2
≥ 1800	27.3	33.1	35.2	37.0	40.6	40.7	42.9	44.1	44.7	46.2	46.2	46.3	46.4	46.8	46.8	47.2
≥ 1500	32.7	39.6	41.9	44.1	48.0	48.1	50.5	52.2	52.8	54.4	54.4	54.5	54.7	55.0	55.2	55.5
≥ 1200	37.2	44.4	47.2	49.7	54.2	54.4	56.8	58.9	59.5	61.1	61.1	61.2	61.3	61.7	61.8	62.2
≥ 1000	39.8	47.3	50.2	52.8	57.7	58.1	61.2	63.4	64.1	65.7	65.7	65.8	65.9	66.3	66.4	66.8
≥ 900	40.0	47.5	50.4	53.2	58.3	58.7	61.8	64.0	64.7	66.3	66.3	66.4	66.5	66.9	67.0	67.4
≥ 800	41.5	49.1	52.1	54.9	60.4	60.8	64.1	66.3	67.2	68.7	68.7	68.8	69.0	69.3	69.5	69.8
≥ 700	41.9	49.7	53.2	56.2	63.0	63.5	66.9	69.6	70.5	72.1	72.1	72.2	72.4	72.7	72.8	73.2
≥ 600	42.5	50.5	54.1	57.6	65.2	65.8	69.7	73.0	74.3	76.2	76.2	76.4	76.5	76.8	77.0	77.3
≥ 500	42.7	50.7	54.2	57.9	66.9	67.9	73.1	76.8	78.5	81.3	81.3	81.8	81.9	82.3	82.4	82.8
≥ 400	42.8	50.9	54.5	58.3	68.2	69.2	74.7	79.2	81.5	84.2	84.2	84.7	84.8	85.2	85.3	85.7
≥ 300	42.8	50.9	54.5	58.3	68.2	69.2	75.9	81.3	83.8	88.0	88.6	89.2	89.5	90.1	90.2	90.8
≥ 200	42.8	50.9	54.5	58.3	68.2	69.2	75.9	81.3	84.0	90.4	91.5	92.4	92.8	94.1	94.5	96.0
≥ 100	42.8	50.9	54.5	58.3	68.2	69.2	75.9	81.3	84.0	90.5	91.6	92.7	93.6	95.2	95.9	99.6
≥ 0	42.8	50.9	54.5	58.4	68.4	69.3	76.0	81.5	84.1	90.7	91.8	92.8	93.7	95.3	96.1	100.0

TOTAL NUMBER OF OBSERVATIONS 825

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT: WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 1170 BITBURG AB DL
STATION NAME

73-81
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	11.2	13.2	14.4	14.4	14.8	14.8	15.4	15.6	15.8	15.8	15.8	15.9	15.9	15.9	15.9	16.2
≥ 20000	13.3	15.8	17.0	17.0	18.1	18.1	19.0	19.5	19.7	19.9	19.9	20.0	20.0	20.0	20.0	20.4
≥ 18000	13.4	15.9	17.1	17.3	18.4	18.4	19.4	19.9	20.0	20.3	20.3	20.4	20.4	20.4	20.4	20.8
≥ 16000	13.4	15.9	17.1	17.3	18.4	18.4	19.4	19.9	20.0	20.3	20.3	20.4	20.4	20.4	20.4	20.8
≥ 14000	13.4	15.9	17.1	17.3	18.4	18.4	19.5	20.0	20.1	20.4	20.4	20.5	20.5	20.5	20.5	20.9
≥ 12000	13.6	16.0	17.2	17.5	18.6	18.6	19.7	20.1	20.3	20.5	20.5	20.6	20.6	20.6	20.6	21.0
≥ 10000	14.0	16.5	17.7	18.1	19.5	19.5	20.6	21.1	21.2	21.5	21.5	21.6	21.6	21.6	21.6	22.0
≥ 9000	14.4	16.8	18.1	18.6	20.0	20.1	21.2	21.7	22.0	22.2	22.2	22.3	22.3	22.3	22.3	22.7
≥ 8000	15.6	18.1	19.3	19.8	21.2	21.4	22.5	23.0	23.2	23.4	23.4	23.6	23.6	23.6	23.6	23.9
≥ 7000	15.6	18.1	19.3	19.8	21.2	21.4	22.5	23.0	23.2	23.4	23.4	23.6	23.6	23.6	23.6	23.9
≥ 6000	16.0	18.4	19.7	20.1	21.6	21.7	23.0	23.4	23.7	23.9	23.9	24.1	24.1	24.1	24.1	24.4
≥ 5000	16.7	19.4	20.6	21.1	22.7	22.8	24.1	24.5	24.8	25.0	25.0	25.2	25.2	25.2	25.2	25.5
≥ 4500	17.7	20.5	21.9	22.5	24.2	24.3	25.5	26.3	26.7	27.0	27.0	27.1	27.1	27.1	27.1	27.5
≥ 4000	19.2	22.0	23.4	24.3	26.1	26.3	27.7	28.4	28.9	29.2	29.2	29.3	29.3	29.3	29.3	29.7
≥ 3500	20.9	24.1	25.5	26.4	28.4	28.6	30.5	31.3	31.7	32.0	32.0	32.1	32.1	32.1	32.1	32.5
≥ 3000	23.7	27.4	28.8	29.8	32.1	32.4	34.4	35.3	35.8	36.0	36.0	36.1	36.1	36.1	36.1	36.5
≥ 2500	27.1	30.9	32.5	33.7	36.0	36.3	39.1	40.5	41.0	41.3	41.3	41.4	41.4	41.4	41.4	41.8
≥ 2000	31.9	36.0	37.9	39.2	41.9	42.2	45.3	46.8	47.4	47.7	47.9	48.0	48.0	48.0	48.0	48.4
≥ 1800	33.3	37.6	39.4	40.8	43.5	43.8	46.9	48.4	49.0	49.3	49.5	49.6	49.6	49.6	49.6	49.9
≥ 1500	39.2	44.8	46.9	48.6	52.1	52.5	55.6	57.1	58.0	58.5	58.6	58.7	58.7	58.7	58.7	59.1
≥ 1200	42.5	48.8	51.3	53.1	56.9	57.4	60.7	62.4	63.2	63.7	64.0	64.1	64.1	64.1	64.1	64.5
≥ 1000	44.2	51.6	54.6	56.5	60.8	61.3	64.7	66.5	67.5	68.3	68.5	68.6	68.6	68.6	68.6	69.0
≥ 900	44.7	52.1	55.6	57.5	61.9	62.4	65.8	67.8	68.7	69.5	69.7	69.8	69.8	69.8	69.8	70.2
≥ 800	45.9	53.7	57.4	59.7	64.5	65.0	68.5	70.6	72.0	73.4	73.6	73.7	73.7	73.9	73.9	74.2
≥ 700	46.6	54.7	58.5	61.1	66.5	67.0	70.9	73.1	75.0	76.6	76.9	77.0	77.0	77.2	77.2	77.7
≥ 600	47.1	55.4	59.5	62.3	68.1	68.7	72.9	75.7	77.8	79.5	79.9	80.0	80.0	80.1	80.1	80.6
≥ 500	47.3	55.7	59.8	62.6	69.4	70.2	74.8	77.9	80.2	82.4	82.9	83.3	83.5	83.6	83.6	84.1
≥ 400	47.3	55.7	59.8	62.6	69.5	70.7	75.9	80.1	82.8	85.6	86.1	86.4	86.7	86.8	86.8	87.3
≥ 300	47.3	55.7	59.8	62.6	69.6	71.1	76.7	81.1	84.2	88.5	89.0	89.4	89.6	89.7	89.7	90.5
≥ 200	47.3	55.7	59.8	62.6	69.6	71.1	76.7	81.4	84.9	90.1	91.2	91.6	92.1	93.2	93.4	94.9
≥ 100	47.3	55.7	59.8	62.6	69.6	71.1	76.7	81.6	85.0	90.6	91.9	92.6	93.2	94.7	95.7	100.0
≥ 0	47.3	55.7	59.8	62.6	69.6	71.1	76.7	81.6	85.0	90.6	91.9	92.6	93.2	94.7	95.7	100.0

TOTAL NUMBER OF OBSERVATIONS 819

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
A15 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

100
STATION

BITBURG AB DL

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1970-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	¾
NO CEILING	11.4	13.3	13.5	13.7	14.5	14.5	14.7	15.2	15.5	15.6	15.6	15.6	15.7	15.7	15.8	16.1
≥ 20000	12.9	15.2	15.5	16.0	16.9	17.2	17.9	18.4	18.7	18.8	18.8	18.8	18.9	18.9	19.0	19.3
≥ 18000	13.1	15.5	15.7	16.2	17.3	17.5	18.3	18.8	19.0	19.1	19.1	19.1	19.3	19.3	19.4	19.6
≥ 16000	13.1	15.5	15.7	16.2	17.3	17.5	18.3	18.8	19.0	19.1	19.1	19.1	19.3	19.3	19.4	19.6
≥ 14000	13.1	15.5	15.7	16.3	17.4	17.7	18.4	18.9	19.1	19.3	19.3	19.3	19.4	19.4	19.5	19.8
≥ 12000	13.3	15.6	15.8	16.4	17.5	17.8	18.5	19.0	19.3	19.4	19.4	19.4	19.5	19.5	19.6	19.9
≥ 10000	14.1	16.6	17.2	17.8	19.4	19.8	20.5	21.0	21.2	21.3	21.3	21.3	21.5	21.5	21.6	21.8
≥ 9000	14.6	17.1	17.8	18.4	20.0	20.4	21.1	21.6	22.2	22.3	22.3	22.3	22.5	22.5	22.6	22.8
≥ 8000	16.6	19.4	20.2	20.9	22.5	22.8	23.6	24.0	24.7	24.8	24.8	24.8	24.9	24.9	25.0	25.3
≥ 7000	16.8	19.6	20.5	21.1	22.7	23.1	23.8	24.3	24.9	25.0	25.0	25.0	25.2	25.2	25.3	25.5
≥ 6000	16.8	19.6	20.5	21.1	22.7	23.1	23.8	24.3	24.9	25.0	25.0	25.0	25.2	25.2	25.3	25.5
≥ 5000	16.9	19.8	20.6	21.2	23.3	23.7	24.4	24.9	25.5	25.6	25.6	25.6	25.8	25.8	25.9	26.1
≥ 4500	18.5	21.6	22.5	23.2	25.3	25.6	26.4	27.0	27.7	28.1	28.1	28.1	28.2	28.2	28.3	28.6
≥ 4000	20.5	23.3	24.9	25.6	27.7	28.2	29.0	29.7	30.4	30.8	30.8	30.8	30.9	30.9	31.0	31.3
≥ 3500	22.7	26.7	27.9	28.6	30.9	31.4	32.5	33.3	34.0	34.4	34.4	34.4	34.5	34.5	34.6	34.8
≥ 3000	25.2	29.3	30.4	31.7	34.5	35.0	36.3	37.3	38.0	38.4	38.4	38.4	38.5	38.5	38.7	38.9
≥ 2500	27.5	31.8	32.9	34.7	37.8	38.3	39.6	40.7	41.5	41.8	41.8	41.8	42.0	42.0	42.1	42.3
≥ 2000	34.2	39.3	40.4	42.2	45.4	45.9	47.6	48.8	49.6	49.9	49.9	49.9	50.1	50.1	50.2	50.4
≥ 1800	35.3	40.6	41.7	43.7	47.1	47.6	49.4	50.7	51.4	51.8	51.8	51.8	51.9	51.9	52.0	52.3
≥ 1500	40.1	46.1	48.0	50.2	54.0	54.5	56.9	58.5	59.3	59.8	59.8	59.8	59.9	59.9	60.0	60.2
≥ 1200	43.4	49.8	51.7	54.2	58.2	58.7	61.3	63.1	64.0	64.7	64.8	64.8	64.9	64.9	65.0	65.3
≥ 1000	46.5	53.0	54.8	57.5	61.7	62.2	64.9	67.0	68.0	68.7	68.8	68.8	69.0	69.0	69.1	69.3
≥ 900	47.7	53.5	55.6	58.3	62.6	63.1	65.8	67.9	68.8	69.7	69.8	69.8	69.9	69.9	70.1	70.3
≥ 800	48.5	55.5	57.7	60.4	64.8	65.3	68.0	70.4	71.5	72.5	72.6	72.6	72.8	72.8	72.9	73.1
≥ 700	49.4	57.2	59.9	63.1	68.5	69.0	71.7	74.5	75.7	76.8	76.9	76.9	77.1	77.1	77.2	77.4
≥ 600	50.1	57.8	60.7	64.2	70.8	71.4	74.7	78.4	79.8	81.5	81.6	81.6	81.7	81.7	81.8	82.1
≥ 500	50.3	58.3	61.2	64.7	72.1	72.9	76.6	80.5	82.3	84.7	84.8	84.8	84.9	84.9	85.0	85.3
≥ 400	50.4	58.4	61.3	64.8	72.6	73.6	78.3	82.7	84.5	87.4	87.6	87.6	87.7	87.7	87.9	88.1
≥ 300	50.4	58.4	61.3	64.8	72.6	73.6	78.8	83.6	85.5	89.1	89.3	89.3	89.4	89.4	89.8	90.2
≥ 200	50.4	58.4	61.3	64.8	72.8	73.7	78.9	84.0	86.3	90.1	90.4	90.7	91.5	92.4	93.1	94.7
≥ 100	50.4	58.4	61.3	64.8	72.8	73.7	79.1	84.3	86.6	90.7	91.0	91.5	92.6	94.8	95.6	100.0
≥ 0	50.4	58.4	61.3	64.8	72.8	73.7	79.1	84.3	86.6	90.7	91.0	91.5	92.6	94.8	95.6	100.0

TOTAL NUMBER OF OBSERVATIONS 815

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AL- WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 1100

STATION NAME BITBURG AB DL

YEARS 73-81

MONTH DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 1/20	≥ 0
NO CEILING	13.2	15.5	15.7	15.7	17.1	17.2	17.3	17.9	17.9	17.9	17.9	17.9	17.9	18.4	18.5	19.0
≥ 20000	15.1	17.8	18.0	18.0	19.4	19.8	20.2	20.9	20.9	20.9	20.9	20.9	20.9	21.3	21.5	22.0
≥ 18000	15.1	17.8	18.0	18.0	19.4	19.8	20.2	20.9	20.9	20.9	20.9	20.9	20.9	21.3	21.5	22.0
≥ 16000	15.1	17.8	18.0	18.0	19.4	19.8	20.2	20.9	20.9	20.9	20.9	20.9	20.9	21.3	21.5	22.0
≥ 14000	15.1	17.8	18.0	18.0	19.4	19.8	20.2	20.9	20.9	20.9	20.9	20.9	20.9	21.3	21.5	22.0
≥ 12000	15.1	17.8	18.0	18.0	19.4	19.8	20.2	20.9	20.9	20.9	20.9	20.9	20.9	21.3	21.5	22.0
≥ 10000	16.3	19.3	19.9	19.9	21.3	21.7	22.2	22.8	22.8	22.8	22.8	22.8	22.8	23.3	23.4	23.9
≥ 9000	17.6	20.5	21.1	21.1	22.6	22.9	23.4	24.0	24.0	24.0	24.0	24.0	24.0	24.5	24.6	25.1
≥ 8000	18.3	21.2	21.8	21.8	23.5	23.9	24.4	25.0	25.0	25.0	25.0	25.0	25.0	25.5	25.6	26.1
≥ 7000	18.8	21.7	22.3	22.3	24.0	24.4	24.9	25.5	25.5	25.5	25.5	25.5	25.5	26.0	26.1	26.6
≥ 6000	19.1	22.1	22.7	22.7	24.4	24.8	25.2	25.9	25.9	25.9	25.9	25.9	25.9	26.3	26.5	27.0
≥ 5000	19.4	22.3	22.9	22.9	24.6	25.0	25.5	26.1	26.1	26.1	26.1	26.1	26.1	26.6	26.7	27.2
≥ 4500	20.6	23.9	24.8	24.8	26.5	26.8	27.3	27.9	28.2	28.2	28.2	28.2	28.2	28.7	28.8	29.3
≥ 4000	22.9	26.2	27.2	27.2	28.9	29.3	29.8	30.4	30.6	30.6	30.6	30.6	30.6	31.1	31.2	31.7
≥ 3500	25.2	29.0	30.0	30.0	31.7	32.2	32.7	33.3	33.5	33.5	33.5	33.5	33.5	34.0	34.1	34.6
≥ 3000	27.6	31.3	32.4	32.4	34.9	35.6	36.1	36.7	37.0	37.0	37.0	37.0	37.0	37.4	37.6	38.0
≥ 2500	30.4	34.3	35.4	36.3	39.0	39.8	40.5	41.2	41.5	41.5	41.5	41.5	41.5	42.0	42.1	42.6
≥ 2000	35.7	40.1	41.3	42.3	46.0	46.8	47.7	48.4	48.7	48.7	48.7	48.7	48.7	49.1	49.3	49.8
≥ 1800	36.5	40.9	42.2	43.3	47.0	47.8	48.7	49.4	49.6	49.6	49.6	49.6	49.6	50.1	50.2	50.7
≥ 1500	40.9	46.0	47.6	49.0	53.4	54.3	55.2	56.3	56.6	56.6	56.6	56.6	56.6	57.1	57.2	57.7
≥ 1200	44.6	50.1	51.8	53.4	58.2	59.0	60.5	61.7	62.1	62.1	62.1	62.1	62.1	62.6	62.7	63.2
≥ 1000	47.1	53.0	54.9	56.6	61.7	62.6	64.3	65.5	66.0	66.1	66.1	66.1	66.1	66.6	66.7	67.2
≥ 900	47.9	53.9	55.7	57.4	62.6	63.4	65.4	66.7	67.2	67.3	67.3	67.3	67.3	67.8	67.9	68.4
≥ 800	48.7	55.1	57.1	59.3	64.6	65.5	67.6	69.0	69.9	70.1	70.1	70.1	70.1	70.6	70.7	71.2
≥ 700	50.7	57.7	59.9	62.3	68.0	68.9	71.3	72.8	74.1	74.4	74.4	74.4	74.4	74.9	75.0	75.5
≥ 600	51.2	58.4	60.9	63.4	69.5	70.5	73.7	75.2	76.6	77.1	77.1	77.1	77.1	77.6	77.7	78.2
≥ 500	51.7	58.9	61.5	64.0	71.2	72.2	75.6	77.7	79.3	79.8	79.9	79.9	79.9	80.4	80.5	81.0
≥ 400	52.0	59.3	62.2	64.8	72.4	73.5	77.7	80.0	81.6	82.4	82.6	82.6	82.6	83.0	83.2	83.7
≥ 300	52.0	59.3	62.2	64.8	72.6	73.8	78.2	81.3	83.4	85.0	85.2	85.4	85.4	86.2	86.5	87.0
≥ 200	52.1	59.3	62.2	64.8	73.2	74.4	78.8	83.0	85.7	88.4	88.8	89.3	90.2	92.2	92.9	94.1
≥ 100	52.1	59.3	62.2	64.8	73.2	74.4	78.9	83.2	86.0	89.0	89.5	90.5	92.4	95.1	96.1	100.0
≥ 0	52.1	59.3	62.2	64.8	73.2	74.4	78.9	83.2	86.0	89.0	89.5	90.5	92.4	95.1	96.1	100.0

TOTAL NUMBER OF OBSERVATIONS 820

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1-100

PITBURG AB DL

73-81

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	10.7	12.7	13.6	13.9	15.2	15.4	15.8	16.2	16.3	16.4	16.4	16.5	16.5	16.8	16.9	17.3
≥ 20000	12.2	14.8	15.8	16.2	17.7	18.0	18.6	19.0	19.1	19.3	19.3	19.3	19.3	19.4	19.7	20.2
W 18000	12.3	14.9	15.8	16.3	17.9	18.1	18.8	19.2	19.3	19.4	19.4	19.5	19.6	19.8	19.9	20.3
W 16000	12.3	14.9	15.8	16.3	17.9	18.1	18.8	19.2	19.3	19.4	19.4	19.5	19.6	19.8	19.9	20.3
W 14000	12.3	14.9	15.9	16.3	17.9	18.1	18.8	19.2	19.3	19.5	19.5	19.5	19.6	19.8	20.0	20.4
W 12000	12.4	15.0	15.9	16.4	18.0	18.2	18.9	19.3	19.4	19.5	19.6	19.6	19.7	19.9	20.0	20.5
W 10000	12.9	15.5	16.6	17.1	18.9	19.2	19.9	20.3	20.3	20.5	20.5	20.6	20.7	20.9	21.0	21.4
W 9000	13.5	16.1	17.2	17.8	19.6	19.9	20.6	21.0	21.1	21.3	21.3	21.3	21.4	21.7	21.8	22.2
W 8000	14.4	17.2	18.4	19.0	21.0	21.3	22.0	22.4	22.5	22.7	22.7	22.7	22.8	23.1	23.2	23.6
W 7000	14.6	17.4	18.6	19.2	21.2	21.5	22.2	22.6	22.7	22.9	22.9	23.0	23.0	23.3	23.4	23.8
W 6000	14.7	17.5	18.7	19.3	21.3	21.6	22.3	22.7	22.9	23.1	23.1	23.1	23.2	23.5	23.6	24.0
W 5000	15.2	18.0	19.2	19.8	21.9	22.2	23.0	23.4	23.6	23.8	23.8	23.8	23.9	24.2	24.3	24.7
W 4500	16.7	19.7	21.0	21.7	23.9	24.3	25.0	25.6	25.9	26.1	26.1	26.2	26.3	26.5	26.6	27.1
W 4000	18.4	21.5	22.8	23.6	25.8	26.2	27.0	27.6	28.0	28.2	28.2	28.3	28.4	28.6	28.7	29.2
W 3500	20.2	23.6	25.0	25.7	28.1	28.6	29.6	30.3	30.6	30.9	31.0	31.0	31.1	31.4	31.5	31.9
W 3000	22.6	26.2	27.6	28.5	31.2	31.7	32.8	33.6	33.9	34.2	34.3	34.3	34.4	34.7	34.8	35.2
≥ 2500	25.1	29.0	30.4	31.7	34.6	35.2	36.5	37.4	37.8	38.1	38.1	38.2	38.3	38.6	38.7	39.1
W 2000	30.2	34.9	36.5	37.9	41.2	41.8	43.4	44.3	44.8	45.2	45.3	45.4	45.5	45.8	45.9	46.3
≥ 1800	31.4	36.1	37.8	39.2	42.6	43.3	44.9	45.9	46.4	46.9	46.9	47.0	47.1	47.4	47.6	48.0
W 1500	36.6	42.2	44.2	45.9	49.7	50.4	52.2	53.5	54.0	54.6	54.6	54.7	54.8	55.1	55.3	55.7
≥ 1200	40.3	47.1	49.3	51.3	55.5	56.2	58.2	59.6	60.2	60.8	60.9	60.9	61.1	61.4	61.6	62.0
W 1000	43.5	50.3	52.6	54.8	59.3	60.1	62.3	63.7	64.4	65.1	65.2	65.3	65.4	65.7	65.9	66.3
≥ 900	43.9	50.8	53.2	55.5	60.1	60.9	63.2	64.7	65.4	66.1	66.2	66.2	66.3	66.7	66.9	67.3
W 800	45.4	52.5	55.2	57.7	62.7	63.5	65.8	67.5	68.4	69.2	69.2	69.3	69.4	69.8	69.9	70.4
≥ 700	46.5	54.2	57.2	59.9	65.6	66.5	69.1	71.0	72.1	73.0	73.1	73.1	73.3	73.6	73.8	74.2
W 600	47.0	54.8	58.1	61.1	67.4	68.4	71.3	73.6	74.8	76.0	76.1	76.1	76.3	76.6	76.8	77.2
≥ 500	47.3	55.3	58.7	61.8	69.2	70.3	73.9	76.5	78.0	79.5	79.6	79.7	80.0	80.3	80.5	81.0
W 400	47.5	55.5	59.0	62.2	70.1	71.3	75.5	78.8	80.6	82.4	82.6	82.7	83.0	83.3	83.5	84.0
≥ 300	47.5	55.6	59.1	62.3	70.5	71.8	76.6	80.8	83.1	85.8	86.2	86.4	86.6	87.2	87.4	88.0
W 200	47.5	55.6	59.1	62.3	70.7	72.1	77.0	81.6	84.5	88.4	89.0	89.4	90.1	91.5	92.2	93.8
≥ 100	47.5	55.6	59.1	62.3	70.7	72.1	77.0	81.7	84.7	89.1	89.9	90.6	91.5	94.1	95.5	99.8
≥ 0	47.5	55.6	59.1	62.3	70.8	72.1	77.1	81.8	84.7	89.1	89.9	90.6	91.6	94.2	95.6	100.0

TOTAL NUMBER OF OBSERVATIONS 6575

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GENERAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 0 BITBURG AB DL

73-81

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING ≥ 20000	23.3	26.3	27.9	28.6	30.3	30.6	31.3	31.7	31.9	32.1	32.1	32.1	32.2	32.3	32.4	32.7
≥ 18000 ≥ 6000	26.6	31.0	32.3	33.0	35.1	35.4	36.1	36.6	36.8	37.1	37.1	37.2	37.2	37.4	37.5	37.8
≥ 16000 ≥ 5000	26.7	31.1	32.4	33.1	35.2	35.5	36.3	36.8	37.0	37.2	37.3	37.3	37.4	37.5	37.6	37.9
≥ 14000 ≥ 4000	26.8	31.2	32.4	33.2	35.3	35.6	36.4	36.8	37.1	37.3	37.4	37.4	37.5	37.6	37.7	38.0
≥ 12000 ≥ 3000	27.1	31.6	32.9	33.7	35.8	36.1	36.9	37.4	37.6	37.9	37.9	38.0	38.0	38.2	38.3	38.6
≥ 10000 ≥ 2000	28.4	33.1	34.5	35.3	37.6	37.9	38.8	39.3	39.5	39.8	39.8	39.9	39.9	40.1	40.2	40.5
≥ 8000 ≥ 1500	29.3	34.1	35.6	36.4	38.8	39.1	40.0	40.5	40.7	41.0	41.0	41.1	41.2	41.3	41.4	41.7
≥ 6000 ≥ 1000	31.2	36.4	37.9	38.9	41.5	41.9	42.8	43.4	43.7	43.9	44.0	44.0	44.1	44.3	44.4	44.7
≥ 4500 ≥ 500	31.7	37.0	38.5	39.5	42.1	42.5	43.5	44.0	44.3	44.6	44.7	44.7	44.8	44.9	45.1	45.4
≥ 3500 ≥ 400	32.0	37.3	38.9	39.8	42.5	42.9	43.9	44.4	44.7	45.0	45.1	45.1	45.2	45.4	45.5	45.8
≥ 2500 ≥ 300	33.8	39.3	41.0	42.0	44.8	45.2	46.2	46.8	47.1	47.4	47.5	47.5	47.6	47.8	47.9	48.2
≥ 1500 ≥ 200	36.3	42.3	44.0	45.2	48.1	48.6	49.7	50.3	50.6	50.9	51.0	51.0	51.1	51.3	51.5	51.8
≥ 1000 ≥ 100	38.9	45.3	47.2	48.4	51.6	52.1	53.3	54.0	54.3	54.6	54.7	54.8	54.9	55.0	55.2	55.5
≥ 750 ≥ 50	41.2	48.1	50.1	51.4	54.7	55.2	56.5	57.2	57.6	57.9	58.0	58.0	58.1	58.3	58.4	58.7
≥ 500 ≥ 20	44.2	51.5	53.7	55.1	58.7	59.2	60.6	61.3	61.7	62.1	62.1	62.2	62.3	62.5	62.6	62.9
≥ 250 ≥ 10	46.5	54.4	56.6	58.1	62.0	62.5	63.9	64.8	65.2	65.5	65.6	65.7	65.8	65.9	66.1	66.4
≥ 150 ≥ 5	49.8	58.3	60.8	62.5	66.7	67.3	68.8	69.7	70.2	70.6	70.7	70.7	70.8	71.0	71.2	71.5
≥ 100 ≥ 2	50.5	59.2	61.7	63.4	67.7	68.3	69.9	70.8	71.3	71.7	71.8	71.8	71.9	72.1	72.3	72.6
≥ 75 ≥ 1	53.4	62.8	65.6	67.6	72.4	73.1	74.9	75.9	76.5	76.9	77.0	77.1	77.2	77.4	77.6	77.9
≥ 50 ≥ 0.5	55.4	65.4	68.4	70.6	75.9	76.6	78.6	79.7	80.3	80.8	80.9	80.9	81.0	81.2	81.4	81.7
≥ 25 ≥ 0.2	56.6	67.0	70.2	72.6	78.3	79.2	81.3	82.6	83.2	83.7	83.8	83.9	84.0	84.2	84.4	84.7
≥ 15 ≥ 0.1	56.8	67.4	70.6	73.1	78.9	79.8	82.0	83.3	83.9	84.5	84.6	84.6	84.7	84.9	85.1	85.4
≥ 10 ≥ 0.05	57.5	68.4	71.8	74.4	80.6	81.5	83.8	85.2	86.0	86.5	86.7	86.7	86.8	87.0	87.2	87.5
≥ 7.5 ≥ 0.02	58.7	69.1	72.6	75.4	82.0	83.0	85.4	87.0	87.9	88.5	88.6	88.7	88.8	89.0	89.2	89.5
≥ 5 ≥ 0.01	58.2	69.4	73.7	75.9	82.8	83.9	86.5	88.2	89.1	89.8	89.9	90.0	90.1	90.3	90.5	90.9
≥ 3.5 ≥ 0.005	58.4	69.7	73.4	76.4	83.8	84.9	87.7	89.7	90.8	91.6	91.8	91.9	92.0	92.3	92.5	92.8
≥ 2.5 ≥ 0.002	59.5	69.8	73.5	76.6	84.1	85.3	88.4	90.6	91.8	92.8	93.0	93.1	93.3	93.5	93.7	94.1
≥ 1.5 ≥ 0.001	58.5	69.8	73.5	76.6	84.3	85.5	88.8	91.3	92.7	94.1	94.3	94.5	94.7	95.1	95.3	95.8
≥ 1 ≥ 0.0005	58.5	69.8	73.5	76.7	84.4	85.6	88.9	91.5	93.1	94.7	95.1	95.4	95.7	96.4	96.9	97.8
≥ 0.75 ≥ 0.0002	59.5	69.8	73.6	76.7	84.4	85.6	88.9	91.5	93.2	94.9	95.3	95.6	96.1	97.0	97.9	99.9
≥ 0.5 ≥ 0.0001	58.5	69.8	73.6	76.7	84.4	85.6	88.9	91.5	93.2	94.9	95.3	95.6	96.1	97.1	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 78028

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperatures
 - b. Daily minimum temperatures
 - c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

2

GLOBAL CLIMATOLOGY BRANCH

USAFETAC

AIR WEATHER SERVICE/MAC

10100 BITBURG AB DL

STATION

STATION NAME

52-81

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
5						.2	1.4						.0
10						1.8	5.5	2.4	.1				.1
15				.5	1.9	6.0	13.8	9.0	2.2				.8
20				.8	6.4	19.4	27.2	23.0	6.9				2.8
25			.2	4.2	16.3	36.7	46.9	42.2	21.6	1.6			7.1
30			2.4	12.2	32.3	58.6	69.1	68.1	44.0	8.2	.1		14.3
35		.4	7.8	24.5	55.8	81.8	91.4	92.1	70.6	24.8	.3		24.9
40		2.3	16.2	43.4	79.1	95.8	99.7	99.5	90.2	48.6	5.9	.5	37.8
45	2.3	9.3	32.6	63.7	94.2	99.8	100.0	100.0	98.9	74.9	19.8	5.7	48.9
50	11.2	25.2	56.2	82.3	98.7	100.0			100.0	91.8	43.6	17.7	58.9
55	31.0	48.8	77.8	96.6	99.9					98.3	70.6	38.1	69.2
60	57.8	71.4	92.1	99.8	100.0					100.0	88.1	65.8	80.3
65	82.1	88.6	98.9	100.0							98.8	86.6	89.7
70	92.5	96.3	99.7								100.0	95.9	96.3
75	97.6	98.7	99.9									99.5	98.7
80	99.8	99.8	100.0										99.6
85	100.0	99.9										100.0	100.0
90		100.0											100.0
95													100.0
100													
105													
110													
115													
120													
125													
130													
135													
140													
145													
150													
155													
160													
165													
170													
175													
180													
185													
190													
195													
200													
205													
210													
215													
220													
225													
230													
235													
240													
245													
250													
255													
260													
265													
270													
275													
280													
285													
290													
295													
300													
MEAN	35.7	38.9	46.1	53.4	61.2	67.0	69.7	68.8	63.8	54.4	43.3	37.5	53.3
S D	7.317	8.156	8.534	8.841	8.142	7.900	8.222	7.194	7.161	7.226	6.885	7.298	14.461
TOTAL OBS	899	819	899	878	904	900	914	914	890	922	894	916	10747

USAFETAC FORM 0-21.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

STATION 100 BITBURG AB DL STATION NAME

52-81

YEARS

MINIMUM

USAFETAC FORM 0-21.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAC
100 SITBURG AB DL

52-81

DAILY TEMPERATURES

STATION

STATION NAME

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
75					.1	.8	3.5	.5					.1
70					.6	4.0	12.0	7.8	1.1				.4
65				.6	5.2	18.9	30.4	25.8	6.6	.4			2.2
60				3.2	16.7	45.7	60.1	59.6	28.9	2.8			7.4
55		.1	1.4	11.3	40.6	75.8	90.4	89.6	63.4	17.2	.3		18.3
50	.1	1.2	10.6	31.5	71.6	95.2	99.8	99.8	89.2	42.8	5.5	.9	32.9
45	3.1	7.9	27.3	55.5	92.8	99.8	100.0	100.0	99.0	73.1	22.7	7.8	46.1
40	15.1	25.8	52.2	80.9	98.8	100.0			100.0	92.8	49.3	24.7	57.9
35	41.4	53.1	78.3	97.3	100.0					99.6	78.0	49.2	70.3
30	67.6	74.6	91.8	99.9						100.0	92.4	74.9	83.3
25	85.2	88.6	98.2	100.0							99.6	90.1	91.9
20	92.9	94.9	99.6								100.0	96.9	96.9
15	97.1	98.0	99.8									99.7	98.7
10	99.8	99.9	100.0									99.9	99.6
5	100.0	99.9										100.0	99.9
0		100.0											100.0
MEAN	32.1	34.2	40.0	46.0	53.3	59.0	61.8	61.1	56.4	48.4	39.4	34.1	47.2
S.D.	7.586	7.987	7.255	6.889	6.416	5.966	6.111	5.341	5.523	6.044	6.309	7.352	12.493
TOTAL OBS	899	819	899	876	904	900	914	914	890	922	894	916	10747

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

1 6100 BITBURG AB DL
STATION

52-81
YEARS

WHOLE DEGREES FAHRENHEIT

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
YEAR													
52				80	76	91	95	88	67	59	49	47	
53	44	57	67	71	85	81	82	87	84	69	56	58	87
54	50	47	64	64	82	86	77	85	83	70	55	51	86
55	48	47	65	79	76	80	85	81	75	67	65	52	85
56	47	40	65	66	82	71	84	79	75	70	50	52	84
57	51	59	64	70	73	91	95	82	77	68	56	51	95
58	50	59	62	65	75	81	81	85	81	63	51*	51	85
59	50	62	64	74	76	81	91	83	82	71	57	49	91
60	51	63	62	69	74	88	75	79	75	66	55	48	88
61	50	57	66	70	69	81	85	84	82	71	51	56	85
62	50	46	52	72	74	80	83	85	84	74	56	48	85
63	36	37	55	66	76	76	84	85	75	64	63	43	85
64	47	57	56	70	78	86	96	88	81	65	54	47	96
65	49	39	65	63	77	82	80	79	73	67	55	51	82
66	49	55	57*	60*	62	84	78	87	78	74	54	50	87
67	50	51	57	67	79	82	84	79	75	68	52	51	84
68	51	49	72	82	75	81*	88*	77*	73*	68*	52	47	* 88
69	50	45	57	70	85	76*	85*	85*	77	70	56	40	85
70	45	49	50	70	70	81	81	81	77	71	58	50	81
71	49	47	52	74	79	74	86	88	74	68	52	52	88
72	47	52	67	65	70	81	86	78	71	64	57	48	86
73	42	41	64	64	71	82	86	82	86	68	59	48	86
74	51	53	66	68	73	75	78	87	77	51	53	51	87
75	53	51	51	73	71	78	87	89	77	60	53	42	89
76	46	51	57	68	80	89	93	84	73	69	51	44	93
77	51	51	60	64	71	87	82	77	73	66	60	57	87
78	46	53	59	64	75	80	86	78	73	69	53	50	86
79	37	42	50	66	80	80	84	80	77	75	54	54	84
80	45	52	55	68	68	77	81	82	75	59	54	52	82
81	48	48	66	68	79	81	82	82	73	64	55	46	82
MEAN	47.4	50.3	60.2	69.3	75.8	81.4	84.5	83.0	76.9	66.9	55.0	49.5	86.6
S.D.	4.231	6.768	5.998	4.907	4.575	4.804	5.419	3.590	4.500	5.122	3.630	4.171	3.852
TOTAL OBS	899	819	899	876	904	900	914	914	890	922	894	916	10747

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM
JAN 64

0-88-5 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

1 130 BITBURG AB DL
STATION STATION NAME

52-81

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
52				28	39	43	49	44	36	29	23	16	
53	15	4	27	31	33	39	49	45	41	33	26	21	
54	5	1	24	29	36	41	42	48	35	32	23	27	
55	14	4	12	28	32	41	48	46	37	26	22	21	
56	1	-3	22	22	35	38	47	39	45	30	16	20	-3
57	15	25	26	28	30	40	49	41	36	31	24	21	15
58	17	14	15	24	34	40	46	45	43	32	30*	32	14
59	19	23	27	30	36	41	52	45	45	32	26	25	19
60	5	17	26	32	34	43	42	47	39	33	30	16	9
61	17	30	25	38	35	41	42	44	45	31	22	11	11
62	16	20	17	30	32	36	42	42	40	32	16	8	8
63	4	8	16	29	33	43	44	40	38	27	31	11	4
64	11	19	17	28	38	35	40	44	35	28	25	15	11
65	21	12	16	29	33	41	43	42	39	31	15	20	12
66	4	27	24*	30*	39	41	43	40	39	28	20	21	4
67	10	18	26	26	28	39	45	44	39	29	21	10	10
68	-3	23	27	26	34	44*	45*	44*	48*	33*	24	12	-3
69	23	6	25	28	35	39*	45*	48*	34	35	22	15	6
70	17	8	13	25	32	41	44	41	39	33	28	10	8
71	9	14	7	30	37	44	43	45	41	31	20	27	7
72	7	9	22	27	36	38	45	39	35	26	24	14	7
73	14	19	23	28	35	42	48	46	35	30	19	6	6
74	24	24	19	35	35	39	44	44	33	28	21	26	19
75	26	21	24	26	35	35	44	48	44	28	19	0	0
76	6	19	14	24	32	39	46	46	41	33	26	3	3
77	19	19	19	23	30	39	48	48	37	32	19	21	19
78	0	10	26	26	37	41	42	41	41	35	21	8	0
79	1	19	24	28	30	44	46	41	39	32	23	25	1
80	14	27	28	32	36	43	41	39	41	30	23	16	14
81	19	18	28	28	32	43	48	45	37	30	21	16	16
MEAN	12.1	15.7	21.3	28.2	33.9	40.4	45.1	43.5	39.1	30.6	22.6	15.9	8.0
S.D.	7.842	8.418	5.646	3.395	2.590	2.487	2.993	2.848	3.337	2.413	4.066	7.216	6.404
TOTAL OBS	899	819	899	876	904	900	914	914	890	922	894	916	10747

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM
AA 44

0-88-5 (OL A)

(AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

100100 BITBURG AB DL 73-81 JAN
STATION STATION NAME YEARS MONTH
PAGE 1 0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point					
5 / 4			.4															3	3						
4 / 47		.4																3	3						
4 / 45		.4	.1	.2														6	6	5					
4 / 43		2.6	.5	.1														27	27	11	6				
42 / 41	.2	6.6	2.9															81	81	44	20				
40 / 39	.1	4.9	.7															48	48	41	43				
38 / 37	1.0	6.1	1.2															69	69	67	35				
36 / 35		9.3	.6															80	80	63	51				
34 / 33	2.8	11.7	1.7															129	129	122	75				
32 / 31	.7	4.9	2.5															68	68	120	87				
30 / 29	.2	11.4	.1															98	98	96	101				
28 / 27	1.8	6.5	.7															75	75	86	108				
26 / 25	.2	2.9																26	26	36	73				
24 / 23	1.7	2.6	.5															34	34	43	63				
22 / 21	.1	1.6	.2															16	16	8	49				
20 / 19	.5	1.9																20	20	21	17				
18 / 17		1.4																12	12	21	15				
16 / 15	.4	1.1																12	12	17	17				
14 / 13		.1																1	1	5	12				
12 / 11		1.2																10	10	6	9				
10 / 9	.2	1.0																10	10	11	22				
8 / 7	.2	.2																4	5	5	6				
6 / 5		.4																3	3	2	9				
4 / 3		.1																1	1	3	7				
2 / 1																				1	4				
0 / -1																					3				
-2 / -5																					2				
-4 / -7																					2				
TOTAL	9.4	78.1	12.1	.4														836	837	836	836				
Element (X)	Σ X'		Σ X		X	Σ X		No. Obs.		Mean No. of Hours with Temperature							Total								
Rel. Hum.	5859762		69644		83.3	8.333		836		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	93									
Dry Bulb	907491		26769		32.0	7.838		837			43.4					93									
Wet Bulb	823691		25469		30.5	7.564		836			53.5					93									
Dew Point	693119		22955		27.5	8.674		836		.8	67.4					93									

FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

1 5100 BITBURG AB DL
STATION STATION NAME

73-81

YEARS

JAN
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 JAN MONTH 1800-2000 HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

ALL
HOUSES - 1-5-1

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

PAGE 1 0000-020C
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
1 / 51					.3													2	2																
5 / 49					.3													2	2																
4 / 47			.4	.4	.3													8	8																
4 / 45			2.7	.9	.1													22	22	7	5														
4 / 43	.3	3.0	.5	.1														30	30	26	6														
1 / 41		5.5	1.2															51	51	34	24														
4 / 39	.3	6.3	1.7															58	58	51	21														
3 / 37	.7	5.5	1.4															58	58	67	58														
1 / 35	.4	7.5	3.1	.3	.1													87	87	50	66														
3 / 33	.1	5.2	2.5	.7	.1													66	66	70	55														
2 / 31	.3	7.6	3.5	.4														90	90	74	43														
1 / 29	.3	9.4	3.1															98	98	94	52														
1 / 27	1.4	7.9	1.3															81	81	110	71														
1 / 25	.5	6.1	.3															52	52	84	94														
1 / 23	.4	3.1	.4															29	29	47	61														
2 / 21	.7	1.7																18	18	27	52														
1 / 19	.7																	5	5	13	53														
1 / 17	.4	.1																4	4	7	66														
1 / 15	.1																	1	1	1	19														
1 / 13																					10														
1 / 11																					5														
1 / 9																					1														
TOTAL	5.672	019.7	2.1	.5														762	762	762															

Element (X)	Σ X ²	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5020866	61420	80.6	9.604	762	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	870898	25300	33.2	6.371	762		41.7					84
Wet Bulb	776426	23858	31.3	6.220	762		50.4					84
Dew Point	628761	21133	27.7	7.488	762		58.1					84

PSYCHROMETRIC SUMMARY

1 110	BITBURG AB DL
STATION	STATION NAME

73-81

YEARS

FEB
MONTH

PAGE 1 0300-0500

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
47				.7														5	5																
46		2.5	1.3															29	29	5	2														
45		3.3	.7															30	30	19	3														
44		4.2	1.2															41	41	42	33														
43	.1	5.9	.5															50	50	33	24														
42	1.6	5.0	.8	.1														57	57	64	39														
41	.1	6.2	1.6	.1	.1													62	62	45	64														
40	.8	5.1	2.6															65	65	69	45														
39		5.9	1.6	.4														60	60	75	35														
38		9.4	2.2	.3														91	91	76	47														
37	.9	12.9	2.4															123	123	95	80														
36	.9	5.9	.1															53	53	112	67														
35	.5	7.7	.4															60	60	50	89														
34	.5	1.7																17	17	42	68														
33	.1	.7																6	6	17	63														
32		1.0																8	8	12	58														
31		.3																2	2	3	22														
30		.1																1	1	1	7														
29	.1																	1	1	1	9														
28	.1																	1	1	1	6														
27																					1														
TOTAL	5.977	Q15.4	1.6	.1															762	762	762														

Element (X)	Σx'	Σx	Σ	σ _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	593273	61943	81.3	8.719	762	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	821356	24486	32.1	6.736	762		46.6					84
Wet Bulb	738117	23183	30.4	6.565	762		53.5					84
Dew Point	597379	20525	26.9	7.649	762		60.9					84

PSYCHROMETRIC SUMMARY

1 0100	BITBURG AB DL
STATION	STATION NAME

73-81

YEARS

FEB

MONTANA

PAGE 1 3900-1100

HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
5 / 49			.1															1	1													
4 / 47				.7														7	7													
4 / 45			1.2	.4														15	15	5	6											
4 / 43	.1	1.6	1.8															27	27	11	8											
2 / 41	.5	5.5	.8															52	52	32	7											
4 / 39		5.0	.9															44	44	46	26											
3 / 37	1.7	6.4	.9	.1														70	70	55	50											
2 / 35		6.7	1.3	.3														58	58	59	48											
3 / 33	.8	6.0	3.3	.5														81	81	67	63											
2 / 31	.3	5.1	3.2	.3														67	67	80	46											
2 / 29		7.9	3.2	.1														85	85	78	50											
2 / 27	1.6	7.8	2.4															112	112	102	67											
2 / 25	.5	6.7	.3															57	57	93	71											
2 / 23	.3	5.8	.1															47	47	56	76											
2 / 21	.3	1.3																12	12	36	87											
2 / 19	.7	2.2																20	20	16	66											
2 / 17																				15	43											
1 / 15		.1																1	1	1	26											
1 / 13		.1																1	1	1	12											
1 / 11	.1																	1	1	1	3											
1 / 9	.4																	3	3	3	3											
1 / 7																					3											
TOTAL	7.272	418.5	1.7	.1														761	761	761												
																		761		761												

Element (X)	$\Sigma x'$	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						
Rel. Num.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	5057700	61652	81.0	9.104	761							84
Wet Bulb	823149	24517	32.2	6.618	761		44.8					84
Dew Point	735539	23149	30.4	6.424	761		53.2					84
	594099	20485	26.9	7.493	761		61.0					84

PSYCHROMETRIC SUMMARY

1 : 100 BITBURG AB DL
STATION STATION NAME

73-81

YEARS

FEB
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point												
4 / 53			.1		.1													2	2														
2 / 51		.1			.3													3	3														
5 / 49		.9	.5	.4														14	14	2													
4 / 47		.3	.8	.3														10	10	9	1												
4 / 45	.1	2.2	2.5	.7														42	42	15	11												
4 / 43	.3	1.3	2.9	.7	.3	.3												43	43	30	9												
2 / 41		4.6	2.6	.9	.9	.1												70	70	44	16												
4 / 39		6.3	2.9	.9	.7													82	82	48	45												
3 / 37	.3	4.5	1.6	2.7	.3													65	65	70	53												
1 / 35	.1	5.2	4.3	1.7														82	82	75	61												
3 / 33	.4	5.1	5.8	1.7														99	99	72	55												
2 / 31		2.8	4.6	.1														57	57	111	42												
1 / 29		5.6	4.1	.3														76	76	96	43												
2 / 27	1.2	6.7	1.7															73	73	85	89												
2 / 25	.3	3.3	.1															28	28	68	71												
2 / 23		1.2	.1															10	10	24	88												
2 / 21	.1	.3																3	3	7	86												
1 / 19		.3																2	2	3	46												
1 / 17																				2	34												
1 / 15																					4												
1 / 13		.1																1	1	1	5												
1 / 11																					1												
1 / 9																					2												
TOTAL	2.850	8.34	6.8	9.2	5.4	.4												762	762		762												

PSYCHROMETRIC SUMMARY

1 100	BITBURG AB DL
STATION	STATION NAME

73-81

YEARS

FEB
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
2 / 51			.1	.1	.7			.1										8	8													
5 / 44			.9	.1	.3	.1												11	11													
4 / 47		.3	1.3	.8	.1													19	19	4												
4 / 45	.1	1.8	1.8	.9	.4	.3												41	41	15	5											
4 / 43	.3	1.3	2.8	.9	.3	.4												45	45	35	6											
2 / 41		6.8	3.0	2.0	.9	.1												98	98	40	23											
4 / 39		5.5	1.4	1.0	.7													66	66	71	43											
3 / 37	.5	3.4	2.4	1.4	.5													63	63	81	60											
3 / 35	.4	4.7	5.2	1.6	.3													93	93	59	66											
3 / 33	.4	3.3	6.7	2.1	.1													96	96	79	54											
2 / 31		3.1	4.7	.8														66	66	97	31											
1 / 29	.5	5.2	2.5															63	63	107	48											
2 / 27	.9	4.3	2.0															55	55	83	91											
2 / 25	.1	2.8	.1															23	23	51	77											
2 / 23	.1	1.6	.3															15	15	29	77											
2 / 21																				9	51											
1 / 19																				2	65											
1 / 17																					43											
1 / 15																					12											
1 / 13																					7											
1 / 11																					3											
TOTAL	3.4	4.4	2.3	5.3	1.8	4.1	1.0	.1										762	762		762											

Element (X)	$\Sigma X'$	ΣX	\bar{X}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4287382	56288	73.9	13.043	762	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	1030929	27621	36.2	6.250	762		24.5					84
Wet Bulb	870837	25371	33.3	5.857	762		41.7					84
Dew Point	651806	21574	28.3	7.340	762		55.7					84

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

EEE

PAGE 1

All

HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

1 4100 BITBURG AB DL
STATION STATION NAME

73-81

YEARS

MAR
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

1-100 BITBURG AB DL
STATION STATION NAME

73-81

YEARS

MAR
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
5 / 57			.1															1	1															
5 / 55		.2	.2															4	4															
4 / 53		.2	.2															4	4	3														
2 / 51		.6	1.7	.1	.4													17	17	7	2													
5 / 49		.5	1.7	.5														22	22	7	7													
4 / 47		2.4	1.7	.1														35	35	18	5													
4 / 45		3.2	2.3	.7														52	52	52	17													
4 / 43	.2	1.9	2.9	1.0	.4													53	53	32	35													
2 / 41	.1	2.9	3.8	1.1														66	66	40	45													
4 / 39		7.9	2.6	.6														93	93	47	24													
3 / 37	.7	6.9	3.2	.1														92	92	109	52													
7 / 35		7.9	4.7	.5														109	109	96	57													
3 / 33	.2	4.8	5.1	.2														87	87	112	92													
2 / 31	.1	3.0	2.4															46	46	95	86													
7 / 29		4.1	2.2		.1													53	53	66	70													
2 / 27	.1	3.7	1.7	.2														42	42	59	100													
7 / 25	.1	2.0	.1															19	19	41	56													
2 / 23		1.7	.7	.1														21	21	13	84													
2 / 21		.7	.4															9	9	16	31													
7 / 19		1.0																8	8	9	24													
7 / 17		.4																3	3	11	8													
1 / 15		.1																1	1	3	9													
1 / 13																				1	3													
1 / 11																					17													
7 / 9																					6													
7 / 7																					1													
7 / 5																					6													
T-TAL	1.755	3.36	.9	5.3	.8														837	837	837													
																		837		837														

Element (X)	Σx'	Σx	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5114453	64957	77.6	9.366	837	≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	1191287	31001	37.0	7.177	837		22.4					93
Wet Bulb	1039648	28920	34.6	6.952	837		34.9					93
Dew Point	836516	25562	30.5	8.174	837		55.7					93

PSYCHROMETRIC SUMMARY

1 170	BITBURG AB DL
STATION	STATION NAME

73-81

YEARS

MAR
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
5 / 55			.4															3	3															
4 / 53		.4	.1															4	4	1														
2 / 51		.6	1.7															13	13	6	1													
5 / 49		.5	.8	.2	.1													14	14	7	2													
4 / 47		2.5	1.8	.2														38	38	11	9													
4 / 45		3.6	2.7	.8														54	54	52	18													
4 / 43		1.9	2.6	.2	.2													42	42	36	30													
2 / 41		3.8	2.0	.2	.1													52	52	36	42													
6 / 39	.1	8.5	2.2															90	90	49	32													
3 / 37	1.1	7.5	2.9	.2														98	98	98	48													
7 / 35		6.7	3.9															89	89	88	65													
3 / 33	.6	6.9	5.3	.1														108	109	94	76													
2 / 31		3.5	3.2															56	56	114	78													
7 / 29		4.5	.8															45	45	69	72													
7 / 27		4.2	1.2															45	45	68	103													
2 / 25	.4	2.6		.2														27	27	35	57													
2 / 23		3.2	.7															33	33	19	82													
2 / 21		.4	.2															5	5	24	39													
7 / 19	.1	1.3																12	12	8	22													
7 / 17		.6																5	5	13	19													
1 / 15		.4																3	3	5	9													
1 / 13		.1																1	1	4	3													
1 / 11																					13													
/ 9																					10													
/ 7																					3													
/ 5																					4													
TOTAL	2.36	3.73	1.2	2.4	.5														837		837													
																		837		837														

AD-A118 507

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
BITSBURG AIR BASE, WEST GERMANY, REVISED UNIFORM SUMMARY OF SURF--ETC(11)
JUN 72

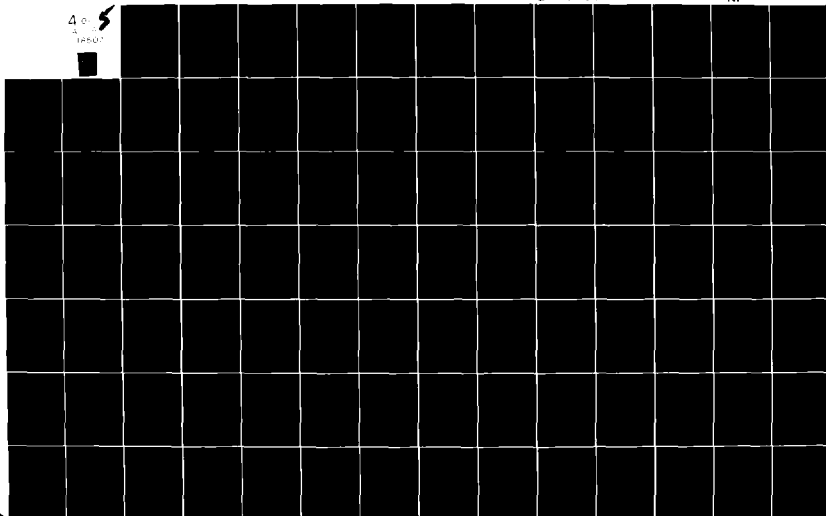
UNCLASSIFIED

USAF/TAC/DS-H2/039

581-AD-E850 19A

NI

40-
A-
18507



PSYCHROMETRIC SUMMARY

1-120	SITBURG AB DL
STATION	STATION NAME

73-81

YEARS

MAR
MONTH

PAGE 1 0900-1100
HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point												
57			.2	.1														3	3													
55			.1															1	1													
53			.6	.2														7	7	2												
51		.4	1.2	.1	.4													17	17	7												
49		.7	2.3	.4														28	28	7	3											
47		2.6	2.0	1.0	.1													48	48	36	8											
45		2.7	2.5	1.2	.2													56	56	39	30											
43		1.4	2.3	.4	.1													35	35	48	30											
41		6.1	4.3	.5														91	91	44	41											
39		9.3	2.3															97	97	65	39											
37	.7	5.7	3.3	.1	.1													78	78	119	54											
35	.1	6.6	5.5	.6														107	107	69	100											
33	.2	4.2	6.2	.7	.1													96	96	99	88											
31		2.7	3.8	.1														56	56	102	49											
29		3.6	1.0	.4														41	41	80	58											
27	.2	1.3	1.3	.2														26	26	45	112											
25	.1	1.7	.4															18	18	28	70											
23		1.7	.8															21	21	18	55											
21		.5																4	4	14	31											
19		.5																4	4	8	19											
17		.2																2	2	4	18											
15		.1																1	1	2	7											
13																				1	4											
11																					11											
9																					5											
7																					5											
TOTAL	1.45	1.44	7.1	6.0	1.1													837	837	837	837											

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						
Rel. Num.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	5100930	64858	77.5	9.476	837							93
Wet Bulb	1236724	31628	37.8	7.053	837		19.2					93
Dew Point	1078386	29496	35.2	6.825	837		33.6					93
	869800	26136	31.2	8.013	837		49.3					93

PSYCHROMETRIC SUMMARY

73-81

YEARS

MAF
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 0100 BITBURG AB DL
STATION STATION NAME

73-81
YEARS

MAR
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
44 / 63					.1	.2	.2			.1								6	6							
42 / 61					.1	.1	.1											3	3							
41 / 59				.2	.7	.7			.2	.1								17	17							
40 / 57			.1	1.1	.7	.2			.1									18	18							
51 / 55			.2	2.0	.4	.5												26	26	2						
47 / 53		.4	.5	1.3	.6	.2	.2											27	27	8						
42 / 51		.4	2.0	.4	.8		.2											32	32	21						
51 / 47		.5	1.7	1.7	.8	.5												43	43	41	5					
47 / 47		1.6	1.8	1.7	.7	.2	.1											51	51	37	10					
47 / 45	.4	1.1	3.8	3.8	1.8	.2	.2											95	95	59	52					
47 / 43		1.9	6.0	3.0	1.2	.4	.1											105	105	57	35					
27 / 41		3.7	5.9	3.1	1.2	.7												122	122	79	55					
47 / 39		3.5	3.9	2.0	1.7	.1												94	94	113	50					
37 / 37	.1	2.2	3.6	2.0	.5	.1												71	71	102	56					
77 / 35		.8	5.4	.8	.7	.2												67	67	92	96					
37 / 33		.8	1.3	.4	.7													27	27	73	72					
27 / 31		.4	.2	.5	.4													12	12	85	52					
37 / 27		.4	.2	.6														10	10	23	64					
27 / 27		.1	.5	.1														6	6	13	92					
27 / 25			.5															4	4	20	42					
27 / 23			.1															1	1	8	53					
27 / 21																				3	28					
27 / 19																				1	9					
17 / 17																					19					
17 / 15																					10					
17 / 13																					5					
17 / 11																					15					
17 / 9																					8					
17 / 7																					3					
17 / 5																					5					
17 / 3																					1					
TOTAL	.5	17.6	37.8	24.6	13.1	4.5	1.3		.4	.2								837	837	837	837					
Element (X)	Σx'		Σx		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.	3827728		55300		66.1		14.4		31		837		± 0 F		± 32 F		± 67 F		± 73 F		± 80 F		± 93 F		Total	
Dry Bulb	1608247		36209		43.3		7.0		74		837				3.7										93	
Wet Bulb	1284083		32329		38.6		6.5		505		837				17.0										93	
Dew Point	925493		26833		32.1		8.8		36		837				45.1										93	

FORM 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY:

YEARS

MAR
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 0100
STATION

BITBURG AB DL
STATION NAME

73-81
YEARS

MAR
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WEY BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point				
6 / 65					.0	.0	.0											5	5					
4 / 63					.0	.1	.1			.0								19	19					
2 / 61					.0	.1	.0		.0									12	12					
0 / 59				.1	.4	.2	.0	.0	.1	.0								55	55					
5 / 57			.1	.4	.2	.1	.0	.0	.0									56	56	2				
5 / 55		.0	.2	.6	.3	.1	.1											91	91	6				
4 / 53		.3	.4	.9	.3	.1	.1											144	144	43				
2 / 51		.4	1.9	.5	.6	.0	.0											231	231	102				
5 / 49		.6	1.8	1.0	.3	.1	.1											255	255	152				
8 / 47		1.7	1.7	1.1	.4	.1	.1											348	348	296				
40 / 45	.1	2.4	3.1	2.1	.7	.1	.1											575	575	406				
4 / 43	.0	1.7	3.8	1.7	.6	.1	.1											537	537	365				
2 / 41	.0	4.0	4.8	2.0	.5	.2	.0											772	772	470				
4 / 39	.0	6.0	3.8	1.0	.8	.0	.0											781	781	634				
3 / 37	.4	4.0	4.0	1.1	.2	.1												658	658	872				
3 / 35	.1	4.2	5.2	.6	.2	.1												692	692	693				
30 / 33	.1	3.0	3.6	.5	.2													498	498	752				
2 / 31	.0	1.7	2.3	.2	.2													305	305	712				
3 / 29	.0	2.2	.9	.4	.0													237	237	417				
2 / 27	.0	1.4	1.0	.1														167	167	299				
1 / 25	.1	.9	.3	.1														85	85	213				
2 / 23		1.0	.5	.0														102	102	91				
2 / 21		.3	.1															27	27	80				
1 / 19	.0	.4																27	27	39				
1 / 17		.2																11	11	36				
1 / 15		.1																5	5	10				
1 / 13		.0																1	1	6				
1 / 11																								
1 / 9																								
1 / 7																								
1 / 5																								
1 / 3																								
TOTAL	1.0	36.5	39.4	14.4	6.1	1.6	.8	.1	.1	.0								6696	6696	6696				
Element (X)	Σ X'		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X	
Rel. Hum.	36284738		485312		72.5		12.878		6696		= 0 F		= 32 F		= 67 F		= 73 F		= 80 F		= 93 F		Total	
Dry Bulb	11108122		267846		40.0		7.672		6696				107.4										744	
Wet Bulb	9275117		244769		36.6		6.996		6696				211.4										744	
Dew Point	7091346		210470		31.4		8.430		6696				396.8										744	

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC JAN 64

PSYCHROMETRIC SUMMARY

<u>1 8100</u>	<u>BITBURG AB OL</u>
STATION	STATION NAME

73-81

YEARS

APR
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
2 / 61								.1										1	1				
1 / 59				.4														3	3				
5 / 57			.1		.1	.2												4	4				
5 / 55				.2		.4												5	5				
4 / 53		.4	.1	.6	.5	.5	.2											19	19	5			
2 / 51		1.0	1.9	.4	.5	.4												33	33	3	2		
5 / 49	.1	.9	2.8	1.5	1.4	.7												60	60	20	7		
4 / 47	.1	1.7	2.1	1.9	3.7	.2												73	73	35	11		
4 / 45	.2	2.7	3.8	2.1	1.4													83	83	53	27		
4 / 43	.4	1.1	3.3	1.7	.4													56	56	67	29		
2 / 41	.5	2.5	3.5	4.0	.9	.2												93	93	85	44		
4 / 39	.5	3.3	5.2	2.0	1.2													99	99	83	50		
3 / 37	1.0	3.1	4.2	3.1	.1													93	93	91	59		
3 / 35	.4	3.0	6.3	.6														83	83	101	78		
3 / 33	.1	2.5	2.8	.6														49	49	102	83		
2 / 31	.1	1.6	2.2	.1														33	33	91	66		
3 / 29		1.2	.5															14	14	47	86		
2 / 27	.5	.1	.1															6	6	22	100		
2 / 25	.1	.2																3	3	2	68		
2 / 23																				3	54		
2 / 21																					18		
2 / 19																					14		
1 / 17																					9		
1 / 15																					5		
TOTAL	4.125	339.0	19.1	9.4	2.7	.2	.1												810	810		810	
																			810	810			

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	O.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
57					.1													1	1					
55			.2	.1														3	3					
53		.4	.1	.1		.1												6	6					
51		.1	.2		.4	.2												8	8	6				
49		1.6	.9	.2	.2	.1												25	25	8	4			
47	.1	2.6	1.2	1.1	.6													46	46	16	8			
45	.6	3.7	5.6	2.8	1.4													114	114	43	31			
43	.1	1.7	3.7	1.4	.6													61	61	57	24			
41		2.7	4.7	2.7	.4													85	85	70	36			
39	.1	4.1	5.4	1.5	.9													97	97	70	44			
37	1.7	4.2	3.1	1.7	.2													83	83	102	51			
35	.6	3.1	7.7	1.5														104	104	106	67			
33	.4	3.2	3.5	.2														59	59	90	82			
31		3.5	2.3	.1														48	48	116	74			
29	.2	4.7	.9															47	47	59	75			
27	.4	1.2	.2															15	15	48	107			
25	.6	.2																7	7	17	89			
23		.1																1	1	1	71			
21																				1	31			
19																					4			
17																					10			
15																					2			
TOTAL	4.2	37.2	39.8	13.6	4.8	.5												810	810	810	810			
</																								

PSYCHROMETRIC SUMMARY

1 8100 BITBURG AB DL
STATION STATION NAME

73-81

YEARS

APR
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point												
4 / 53			.5	.1	.1														6	6												
2 / 51			.1			.1													2	2	5											
5 / 49		1.6	.2		.1														16	16	4	4										
4 / 47	.1	2.1	.5	1.0	.7														36	36	16	6										
4 / 45	.7	3.0	5.7	1.4	.4														90	90	33	32										
4 / 43		2.6	3.7	2.3	.6														75	75	42	14										
2 / 41		3.3	3.1	2.6	.2														75	75	74	23										
4 / 39	.1	5.4	4.9	.7	.1														92	92	65	51										
3 / 37	1.6	4.3	1.7	1.5	.1														75	75	98	64										
3 / 35	.5	4.9	8.3	1.7															119	119	103	64										
3 / 33	1.0	4.3	4.9																83	83	100	72										
2 / 31	.1	3.8	2.5																52	52	124	86										
1 / 29		5.2	1.1																51	51	63	62										
2 / 27	1.4	2.2	.2																31	31	63	128										
2 / 25	.1	.4																	4	4	17	95										
2 / 23	.2	.1																	3	3	2	69										
2 / 21																					1	29										
1 / 19																						4										
1 / 17																						7										
TOTAL	5.9	44.0	37.0	10.6	2.3	.1														810		810										
																			810		810											

Element (X)	Σ x ²	Σ x	x̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4941392	62572	77.2	11.540	810	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	1217196	31032	38.3	5.917	810		15.7					90
Wet Bulb	1052025	28851	35.6	5.581	810		30.0					90
Dew Point	841138	25558	31.6	6.550	810		53.3					90

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

0900-1100
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1-100 STATION BITBURG AB DL 73-81 YEARS MONTH APR

PAGE 1 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb
71																		.1															1	1	
69																		.1															1	1	
67								.1									.1																2	2	
65									.1								.2	.7														17	17		
63					.4	.2										.7	1.1	.6														31	31		
61					.4	.2		.5	1.7						.5	.1																33	33		
59			.2	.2			.4	1.4	2.7	.5																						38	38	1	
57			.4	1.1	.9	1.5	.4		.2																							36	36	4	
55			.4	.6	1.7	1.9	.4																									40	40	9	
53			.6	1.1	1.4	1.1	.7	.1																								41	41	21	
51		.1	1.5	.5	1.7	1.2	.7																									47	47	39	
49		.6	2.2	1.5	.9	1.1	.1																									52	52	59	
47	1.1	.7	2.1	2.1	.6	.5																										58	58	85	
45	.4	.6	2.6	3.8	4.7	2.0																										108	108	61	
43		.4	1.7	3.8	1.6	.4																										64	64	57	
41	.4	2.8	3.3	3.5	2.3	.1																										101	101	71	
39	.1	2.0	2.0	2.3	.1																											53	53	92	
37	.2	1.6	2.1	1.2																												42	42	117	
35	.2	1.7	2.1	.1																												28	28	84	
33	1.7	1.1	.1																													18	18	61	
31	.1	.2																														3	3	36	
29	.4																															3	3	10	
27																																			3
25																																			
23																																			
21																																			
19																																			
17																																			
TOTAL	1.4	11.7	21.2	22.8	18.3	12.6	7.4	2.8	1.7																							810	810	810	

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3177195	49029	60.5	16.092	810	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	1905685	38705	47.8	8.335	810		.7	.4				90
Wet Bulb	1431275	33657	41.6	6.364	810		5.4					90
Dew Point	969235	27393	33.8	7.277	810		41.1					90

USAFETAC FORM 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

APR
MONTH

1500-1700
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
4 / 73										.1								1	1																
1 / 71									.2									2	2																
1 / 69											.1							1	1																
4 / 67					.1	.2	.1	.1	.5	1.0								17	17																
6 / 65				.1	.5	.5	.6	1.2	.1									25	25																
4 / 63				.5	.7	.6	4.7	.9										60	60																
1 / 61			.4	.9	.6	1.2	.7	.2										33	33																
1 / 59			.1	.5	1.1	1.7	1.5											40	40	2															
1 / 57			.9	.6	1.4	1.5	.4											38	38	3															
5 / 55			.2	.9	1.7	1.4	.5	.1										33	33	17															
4 / 53		1.2	.9	.5	1.0	2.0	.5	.1										50	50	26	1														
2 / 51	.1	1.6	1.4	1.5	.5	1.2	.1											52	52	51	5														
5 / 49	.4	.6	1.2	1.7	1.4	.7	.1											50	50	75	4														
2 / 47	.5	.9	1.7	3.2	1.2	1.7												61	61	75	17														
4 / 45	1.2	2.5	3.1	3.6	1.6	.1												98	98	51	42														
4 / 43	1.7	1.7	3.2	2.6	.5													73	73	80	28														
2 / 41	2.7	2.7	2.7	2.6	.2													83	83	68	51														
4 / 39	.2	1.2	1.5	.9	.4													34	34	100	52														
3 / 37	.2	1.6	1.5	.5														31	31	112	70														
1 / 35	.5	1.1	.4															16	16	80	69														
3 / 33	.9	.2	.4															12	12	40	81														
2 / 31																				23	74														
1 / 29																				7	70														
2 / 27																					88														
1 / 25																					48														
2 / 23																					51														
2 / 21																					31														
1 / 19																					17														
1 / 17																					6														
1 / 15																					1														
1 / 13																					3														
1 / 11																					1														
TOTAL	.5	.4	15.6	17.2	19.4	12.0	12.1	9.3	3.3	1.2	.1							810	810		810														
Element (X)	Z _g	Z _x	X	σ _x	No. Obs.	Mean No. of Hours with Temperature											Total																		
Rel. Hum.	2686883	44447	54.9	17.507	810	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F										90														
Dry Bulb	2198933	40602	50.1	8.875	810			2.3	.1												90														
Wet Bulb	1496199	34437	42.5	6.301	810			3.3													90														
Dew Point	935718	26857	33.1	7.515	810			43.3													90														

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

<u>1 0100</u>	<u>BITBURG AB DL</u>
STATION	STATION NAME

73-81

YEARS

APR
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point												
6 / 65									.1									1	1													
4 / 63					.2				.2									4	4													
7 / 61					.2	.4			.2									7	7													
7 / 59				.1	.2	.4	.5	.5										14	14													
7 / 57		.4		.5	.1	.7	.6	.5										23	23													
5 / 55			.4	.9	.6	1.4	.6											31	31	5												
4 / 53		.4	.2	1.0	2.0	.6	.4											37	37	6	3											
2 / 51		.4	1.6	.6	1.7	1.6	.2											50	50	16												
5 / 49		.7	2.2	1.0	1.2	1.2	.1											53	53	26	8											
7 / 47		1.5	1.1	1.4	1.5	.9												51	51	49	12											
4 / 45	.4	2.1	4.7	4.2	1.6	1.0	.1											114	114	66	34											
4 / 43	.2	.7	1.7	3.0	1.9	.4												64	64	82	36											
2 / 41	.5	2.8	3.1	3.6	1.2	.6												96	96	87	36											
4 / 39	.2	3.6	3.2	3.1	1.6													95	95	93	53											
3 / 37	.7	1.6	4.0	2.5	.4													74	74	99	60											
7 / 35	.1	1.9	2.1	.7	.1													40	40	80	77											
3 / 33	.1	2.0	2.1	.1														35	35	90	74											
2 / 31		.6	.4	.2														10	10	69	61											
7 / 29		.2	.2															4	4	28	100											
7 / 27	.6	.1	.1															7	7	11	84											
7 / 25																				3	66											
2 / 23																					54											
2 / 21																					18											
7 / 19																					16											
7 / 17																					10											
7 / 15																					6											
7 / 13																					2											
TOTAL	3.719	0.27	2.22	8.14	.7	9.1	2.6	1.5	.1										810	810	810											
																			810	810												

Element (X)	Σx^1	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3775148	53172	65.6	16.291	810	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	1630329	35871	44.3	7.186	810		2.3					90
Wet Bulb	1280608	31846	39.3	5.949	810		12.3					90
Dew Point	909106	26472	32.7	7.372	810		46.3					90

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 0100 PITBURG AB DL 73-81 APR
STATION STATION NAME YEARS MONTH

PAGE 1 ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31					Dry Bulb	Wet Bulb	Dew Point		
4 / 73										.0											1		1			
2 / 71										.0											4		4			
1 / 69										.0	.0										4		4			
6 / 67						.0	.0	.0	.1	.2											24		24			
6 / 65					.0	.1	.1	.1	.3	.0											48		48			
4 / 63				.1	.2	.3	.3	1.0	.4												142		142			
7 / 61			.0	.1	.3	.2	.6	.3	.1												105		105			
1 / 59			.0	.1	.2	.5	.8	.4													141		141		3	
1 / 57		.0	.1	.4	.4	.7	.5	.2													150		150		13	
5 / 55		.0	.2	.4	.6	.9	.5	.1	.0												170		170		40	
4 / 53		.2	.5	.8	.8	.6	.7	.1	.0												237		237	88	9	
2 / 51		.3	1.2	.6	1.0	.7	.5	.2													287		287	157	20	
5 / 49	.3	.8	1.5	1.0	.8	.7	.2	.0													333		333	281	42	
4 / 47	.1	1.5	1.4	1.4	1.9	.5	.3														460		460	396	97	
4 / 45	.4	2.3	3.9	2.8	2.2	.8	.1														802		802	455	299	
4 / 43	.2	1.2	2.6	2.8	1.3	.2															538		538	520	223	
2 / 41	.2	2.8	3.6	3.2	1.3	.2															738		738	605	348	
4 / 39	.2	3.2	3.5	1.8	.6																608		608	675	394	
3 / 37	.7	2.5	3.0	1.5	.1																513		513	841	517	
3 / 35	.2	2.1	4.2	.6	.7																467		467	735	585	
3 / 33	.3	2.1	2.3	.2																	319		319	639	609	
2 / 31	.3	1.5	1.1	.1																	171		171	555	562	
1 / 29	.0	1.7	.3																		132		132	265	616	
2 / 27	.4	.5	.1																		65		65	162	827	
1 / 25	.1	.1																			17		17	42	552	
2 / 23	.7	.0																			4		4	6	445	
2 / 21																								2	169	
1 / 19																									83	
1 / 17																									51	
1 / 15																									20	
1 / 13																									10	
1 / 9																									2	
TOTAL	2.922	9.29	7.17	9.11	9.6	5.4	4.5	2.3	1.0	.2	.0										6480	6480	6480	6480		
Element (X)	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	No. Obs.	Mean No. of Hours with Temperature						Total							
Rel. Hum.	30664018	432034	66.7	16.941	6480		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F														
Dry Bulb	13048171	285631	44.1	8.407	6480			43.2	3.7	.1																
Wet Bulb	10215068	253886	39.2	6.429	6480			114.7																		
Dew Point	7272746	212102	32.7	7.140	6480			370.8																		

USAFETAC FORM 0-26-5 (O.L.A.) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

MAY
MONTH

0000-020
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

MAY
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
1 / 61					.1													1	1													
1 / 59		.4		.1	.8													11	11													
1 / 57		.1	.1	.7	.6													13	13	3	3											
5 / 55		1.7	.6	2.6	.4													38	38	1	1											
4 / 53	.1	1.3	1.3	2.4	.6													48	48	14	6											
2 / 51	.1	5.7	4.2	1.7	.7													98	98	44	7											
5 / 49	.5	2.9	2.9	1.4	.2													66	66	97	29											
2 / 47	.2	5.3	3.9	2.2	.7													103	103	101	57											
4 / 45	.4	10.9	5.7	1.2	.5													156	156	120	133											
4 / 43	1.2	3.2	3.1	1.9	.1													80	80	117	95											
2 / 41	.4	5.4	3.9	1.9	.1													97	97	79	107											
4 / 39	.1	2.7	3.7	.7														49	49	82	68											
3 / 37	.4	1.7	2.3	.1														37	37	64	88											
3 / 35	.2	.7	.8	.1														16	16	51	55											
3 / 33	.1	1.2	.8															18	18	44	37											
2 / 31		.5																4	4	15	46											
1 / 29		.2																2	2	5	39											
2 / 27																					55											
2 / 25																					9											
2 / 23																					2											
TOTAL	3.742	4.32	7.16	2	4.9														837		837											
																		837		837												

Element (X)	Σ x ²	Σ x	X	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5279916	65778	78.61	1.500	837	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	1818313	38715	46.3	5.743	837		.7					93
Wet Bulb	1590870	36198	43.2	5.512	837		2.2					93
Dew Point	1357839	33255	39.7	6.615	837		16.8					93

PSYCHROMETRIC SUMMARY

MAY
MONTH

0600-080
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																	
4 / 63		.1																	1	1																	
2 / 61		.1	.1			.2													4	4	1																
1 / 59		.2	.1	.5	.4														10	10	1	1															
1 / 57		.2	.2	.5	.2														10	10	3	3															
5 / 55	.1	.6	1.4	1.7	.4														35	35	4	1															
4 / 53	.1	1.9	2.2	2.2	.4														56	56	15	7															
2 / 51	.2	3.3	5.7	.7	.2														80	80	55	9															
5 / 49	.2	4.1	4.1	1.1	.4														82	82	71	32															
4 / 47	.1	5.9	3.2	1.6	.4														93	93	114	64															
4 / 45	.4	10.0	5.5	1.9	.7														155	155	126	125															
4 / 43	1.1	3.9	3.3	1.9	.2														88	88	103	111															
2 / 41	.7	5.1	2.9	1.9															89	89	80	96															
4 / 39	.2	2.2	2.6	.7															48	48	85	80															
3 / 37	.4	1.7	1.8	.1															33	33	53	68															
2 / 35	.1	1.7	1.6																22	22	55	42															
3 / 33	.2	1.3	.5																17	17	38	46															
2 / 31	.1	1.3	.1																13	13	27	44															
1 / 29	.1																		1	1	6	37															
1 / 27																						57															
1 / 25																						12															
2 / 23																						2															
TOTAL	4.2	43.0	34.6	14.7	3.5																																

PSYCHROMETRIC SUMMARY

1 6100 BITBURG AB DL
STATION STATION NAME

73-81

YEARS

MAY
MONTH

PAGE 1

0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
72 / 71							.1	.1										2	2					
71 / 69			.1		.2	.4	.1											7	7					
69 / 67				.1	.5	.2												7	7					
67 / 65			.2	.4	.6	.2	.4											15	15	1				
65 / 63		.1	.2	.6	1.8	1.1	.2											34	34	3	1			
63 / 61			.2	.4	1.7	.7	.2											27	27	3	3			
61 / 59		.2	1.3	1.3	1.8	.7	.4											48	48	13	1			
59 / 57		.5	1.6	1.8	1.7	.8	.1											54	54	22	2			
57 / 55		1.2	2.2	4.1	1.4	1.7	.2											84	84	42	14			
55 / 53	.1	1.3	4.2	4.4	1.9	.6												105	105	59	15			
53 / 51		2.0	5.5	1.6	.7	.6	.4											90	90	72	37			
51 / 49		2.5	3.5	1.7	1.1	.6												78	78	116	49			
49 / 47	.2	3.3	2.4	1.6	1.1	.1												73	73	141	75			
47 / 45	.1	5.6	2.7	1.8	1.4													92	92	107	167			
45 / 43	.4	2.0	1.9	1.6	.2													51	51	69	93			
43 / 41		.8	.8	1.7	.1													29	29	63	95			
41 / 39		.8	1.1	.6														21	21	49	65			
39 / 37	.1	.4	.7	.1														11	11	37	46			
37 / 35		.7	.2															8	8	19	36			
35 / 33		.1																1	1	20	33			
33 / 31																				1	27			
31 / 29																					38			
29 / 27																					31			
27 / 25																					6			
25 / 23																					3			
TOTAL	1.0	21.7	28.2	23.4	15.9	7.3	2.4	.1										837	837	837	837			

PSYCHROMETRIC SUMMARY

1 0100 BITBURG AB DL
STATION STATION NAME

73-81

YEARS

MAY
MONTH

PAGE 1 1200-1400
MOUSE (1, 5, 7)

[illegible]

PSYCHROMETRIC SUMMARY

1 5170 BITBURG AB DL
STATION STATION NAME

73-81

YEARS

MAY
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point										
1 / 81								.2										2	2												
1 / 79							.2	.2		.6	.2							11	11												
7 / 77							.1	.2	.2	.6	.1							11	11												
6 / 75						.2	.7	.6	.2									15	15												
4 / 73							.6	.7	.2	.5								17	17												
2 / 71							.1	1.4	.1	.4								17	17												
1 / 69							1.1	2.0	.1									27	27												
6 / 67					.2	.6	1.7	1.1	.2									32	32	4											
5 / 65					.2	1.0	2.0	1.8	.5									46	46	5											
4 / 63			.1	1.0	1.7	4.5	2.5	2.2	1.7	.1								115	115	8											
2 / 61			.5	1.0	1.6	3.2	2.5	.7										79	79	18	3										
1 / 59			1.7	.6	1.3	2.9	1.3	1.4										71	71	28	5										
5 / 57			.6	1.9	2.2	1.4	.8	.6										63	63	50	3										
5 / 55			.4	2.2	3.0	1.9	1.9	1.2	.1									89	89	76	17										
4 / 53			.4	1.6	2.2	1.7	.8	1.2	.1									66	66	107	8										
2 / 51			.6	1.8	1.1	1.2	1.0											47	47	116	33										
5 / 49		1.3	.6	.2	.8	.6												30	30	119	43										
4 / 47		1.4	.7	.6	1.7	.2												33	33	90	78										
4 / 45	.4	.8	1.4	.5	1.7	.2												36	36	78	145										
4 / 43		.5	.2	1.7	.2													16	16	45	80										
2 / 41		.1		.4														4	4	44	115										
4 / 39		.1	.2	.4														6	6	16	69										
3 / 37		.4																3	3	19	51										
1 / 35			.1															1	1	10	37										
3 / 33																				4	31										
2 / 31																					24										
1 / 29																					30										
2 / 27																					46										
2 / 25																					16										
2 / 23																					2										
2 / 21																					1										
TOTAL	.4	6.0	11.0	13.6	14.9	18.6	16.1	13.5	3.3	2.2	.4							837	837	837	837										

PSYCHROMETRIC SUMMARY

100100	BITBURG AB DL
STATION	STATION NAME

73-81

YEARS

MAY
MONTH

PAGE 1

1800-2000
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 0100 BITBURG AB DL STATION NAME

73-81 YEARS

YEARS

MAY MONTH

PAGE 1 2100-2100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
6 / 75							.1											1	1					
4 / 73							.1											1	1					
7 / 71						.1		.1										2	2					
7 / 69						.2	.1	.2										5	5					
6 / 67				.1			.4											4	4					
6 / 65			.1		.1	.7	.4	.2										13	13					
4 / 63		.2		.7	.5	2.3	.8											38	38	2				
7 / 61		.1	.4	.7	.8	1.2												27	27	7				
7 / 59			.4	1.0	3.7	3.3	.7	.2										78	78	3	5			
7 / 57		.1	1.0	1.4	1.8	1.7	.7											56	56	15	1			
5 / 55		2.2	2.4	2.9	1.4	2.4	.5											98	98	29	11			
4 / 53	.1	1.3	2.5	3.1	1.7	.5	.5											81	81	75	11			
2 / 51		2.4	5.4	1.7	3.2	.7	.2											114	114	89	26			
5 / 49	.1	2.3	3.1	1.2	.8	.4	.4											69	69	122	38			
7 / 47	.2	1.9	2.3	1.6	1.6	.5												67	67	122	73			
4 / 45	.4	3.9	1.6	1.4	2.3	.5												84	84	114	150			
4 / 43	.2	1.6	.8	1.9	.2													40	40	76	90			
2 / 41	.2	1.3	.4	1.7														30	30	60	104			
4 / 39		.8	.6	.4														15	15	44	62			
3 / 37		.5	.4															7	7	44	55			
2 / 35		.5		.1														5	5	24	42			
3 / 33			.1															1	1	8	41			
2 / 31		.1																1	1	3	27			
2 / 29																					31			
2 / 27																					50			
7 / 25																					12			
2 / 23																					4			
2 / 21																					3			
7 / 19																					1			
TOTAL	1.3	19.2	21.3	19.8	18.2	14.5	4.9	.8										837	837	837				

Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	3972812	56120	67.0	15.850	837	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F
Dry Bulb	2333542	43834	52.4	6.737	837		.1	1.4	.2		93
Wet Bulb	1864275	39219	46.9	5.641	837		.3				93
Dew Point	1452227	34329	41.0	7.275	837		14.2				93

FORM 0-26-3 (01 A) AIR WEATHER SERVICE/USAFETAC

PSYCHROMETRIC SUMMARY

MAY
MONTH

PAGE 1

HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point											
1 / 31																		3	3												
1 / 79																		15	15												
7 / 77																		24	24												
6 / 75																		31	31												
4 / 73																		52	52												
1 / 71																		56	56												
1 / 69																		85	85												
6 / 67																		83	83	9											
6 / 65																		154	154	13											
4 / 63																		348	348	25	5										
2 / 61																		296	296	54	9										
1 / 59																		425	425	102	19										
5 / 57																		369	369	181	25										
5 / 55																		569	569	291	74										
4 / 53																		595	595	498	83										
2 / 51																		661	661	683	196										
5 / 49																		509	509	876	342										
4 / 47																		557	557	865	590										
4 / 45																		724	724	866	1117										
4 / 43																		388	388	601	752										
2 / 41																		311	311	483	807										
4 / 39																		196	196	391	533										
3 / 37																		110	110	327	481										
2 / 35																		64	64	215	351										
3 / 33																		45	45	146	279										
2 / 31																		20	20	54	270										
1 / 29																		4	4	14	267										
1 / 27																					361										
1 / 25																					103										
2 / 23																					18										
2 / 21																					11										
1 / 19																					1										
TOTAL	1.7	22.8	23.5	17.0	13.4	9.5	6.6	3.7	1.3	.4	.1							6694	6694	6694	6694										
Element (X)	ΣX'		ΣX		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature																				

PSYCHROMETRIC SUMMARY

YEARS

JUN
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JUN
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

1-100 BITBURG AB DL
STATION STATION NAME

73-81

YEARS

JUN
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

1 0100	BITBURG AB DL
STATION	STATION NAME

73-81

YEARS

JUN
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JUN
MONTH

PAGE 1 1800-2000
HOURS (L., S., T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
1 / 89												.2	.1	.1				1	1																
2 / 87												.2	.1	.5				7	7																
3 / 85												.2	.6	.1				8	8																
4 / 83												.1	.2	.2				5	5																
5 / 81										.1	.1	.4						5	5																
6 / 79						.1	.1	.1	.5	.4	.2	.1						13	13																
7 / 77							.2	.9	1.0	.7		.1						24	24																
8 / 75						.4	1.4	2.0	.5	.4		.1						38	38																
9 / 73				.1	.2	.9	1.1	1.5	.7	.7								43	43																
10 / 71			.4	.4	1.2	1.9	1.2		.1	.1								43	43																
11 / 69			.1	.7	3.0	1.4	.6	.7	.1									54	54	1															
12 / 67		.5	.1	.2	1.7	.9	.5	.2										34	34	2															
13 / 65	.1	.1	.6	1.1	1.5	1.9	1.1											52	52	20															
14 / 63	1.0	1.2	3.3	3.1	3.5	1.4	.4											112	112	49	6														
15 / 61	.1	2.1	2.5	2.1	1.4	.7	.5											76	76	88	10														
16 / 59	.2	.9	1.5	2.3	2.1	1.9	.5											76	76	82	25														
17 / 57	.9	1.7	1.6	1.7	1.0													50	50	109	27														
18 / 55	.2	2.0	1.2	2.6	1.1	.4												61	61	99	62														
19 / 53	.2	.9	1.6	1.5	1.1	.1												44	44	113	73														
20 / 51	1.0	1.7	.9	.7	.4													38	38	89	113														
21 / 49	.5	1.2	.6	.1														20	20	62	83														
22 / 47	.2			.1														3	3	57	73														
23 / 45		.4																3	3	24	117														
24 / 43																				11	70														
25 / 41																				3	66														
26 / 39																				1	46														
27 / 37																					14														
28 / 35																					15														
29 / 33																					4														
30 / 31																					1														
31 / 29																					4														
32 / 27																					1														
TOTAL	.7	7.5	13.5	16.5	14.2	17.3	11.4	8.8	3.7	2.6																									

PSYCHROMETRIC SUMMARY

14100 BITBURG AB DL
STATION STATION NAME

73-81

YEARS

JUN
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JUN
MONTH

ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JUL
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

1 5170 BITBURG AB DL
STATION STATION NAME

73-81

YEARS

JUL
MONTH

PAGE 1

0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
71								.1										1	1													
69								.5										4	4													
67							.4	.4										6	6													
65			1.0	.2	.2		.2		.2									16	16													
63		1.9	1.8	1.2	.5	.2	.1	.4										51	51	4	1											
61		1.4	2.0	1.1	.2	.4												43	43	28	6											
59	.2	4.8	5.1	1.2		.1												96	96	34	33											
57	.7	7.8	4.4	2.4	.8	.2												137	137	78	47											
55	.7	9.6	6.0	1.8	.2													153	153	129	68											
53	.8	2.6	5.7	2.2	.6													94	94	148	113											
51	.7	4.4	6.1	.4	.1													98	98	122	127											
49		3.3	3.5	.5														61	61	101	63											
47	1.1	2.6	1.2															41	41	119	111											
45	.2	3.0	.6															32	32	48	122											
43		.2	.1															3	3	19	77											
41																				5	37											
39	.1																	1	1	1	18											
37																				1	11											
35																					2											
31																					1											
TOTAL	4.54	1.83	6.81	0.9	2.7	1.0	.7	1.3	.2									837	837		837											

Element (X)	Σ X ²	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5692639	68375	81.7	11.316	837	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	2589750	46376	55.4	4.913	837			1.2				93
Wet Bulb	2305478	43772	52.3	4.424	837							93
Dew Point	2086715	41567	49.7	5.179	837		.1					93

PSYCHROMETRIC SUMMARY

1 100	BITBURG AB DL
STATION	STATION NAME

73-81

YEARS

JUL
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
59								.1	.1									4	4					
67				.1			.1											2	2					
65			.1	.4	.2	.2	.5	.2	.2									16	16	1				
63			1.6	1.3	1.1	.1	.2	.1	.2									39	39	3	3			
61			2.0	1.9	1.2	.1		.2										46	46	19	4			
59			6.3	4.7	1.3	.1	.5											105	105	39	31			
57	1.2	6.8	4.1	1.6	.2	.1												117	117	89	51			
55	.61	0.0	6.2	2.0	.4													161	161	112	84			
53	.2	4.4	5.1	1.1	.2													93	93	145	94			
51	.7	6.3	4.9	1.2	.1													109	109	123	120			
49	.2	3.8	3.7	.7														71	71	122	79			
47	.5	4.4	.8															48	48	110	121			
45	.2	1.7	.2															18	18	51	119			
43		.5	.1															5	5	16	67			
41		.4																3	3	3	33			
39																				4	17			
37																					14			
TOTAL	3.7	48.0	33.6	10.2	1.6	1.3	1.0	.6	.1									837	837	837	837			

Element (X)	Σ x ²	Σ x	X	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5827765	69277	82.8	10.594	837	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	2564562	46162	55.2	4.723	837			.7				93
Wet Bulb	2302608	43748	52.3	4.375	837							93
Dew Point	2099814	41706	49.8	5.094	837							93

PSYCHROMETRIC SUMMARY

1 6130
STATION

BITBURG AB DL

STATION NAME

73-81

YEARS

JUL
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
4 / 83													.1					1	1				
/ 81										.1								1	1				
/ 79						.1			.1		.1							3	3				
7 / 77						.2	.5		.1	.4	.1							11	11				
6 / 75					.1		.2	.4	.2	.1	.1							10	10				
4 / 73				.5	.6		.4	.2	.2									16	16				
/ 71				.4	1.3	.4	.2	.1		.2								22	22				
/ 69		.1	.1	.8	1.3	1.0	.4											31	31	1			
6 / 67			1.3	.7	1.7	.7	.1		.1									39	39	5	1		
6 / 65		.1	1.2	1.4	.7	.2	.4											34	34	23			
4 / 63		2.0	2.7	4.4	1.4	1.0	.1											98	98	44	18		
2 / 61		1.7	3.7	2.9	1.6	.6												81	81	65	18		
/ 59	.4	3.1	6.5	4.8	1.7	1.7												145	145	80	63		
/ 57	.6	3.2	4.3	4.4	1.7	.1												114	114	109	72		
5 / 55	.4	2.7	3.6	2.7	.6	.1												85	85	129	80		
4 / 53	.2	1.9	4.2	1.3														64	64	110	100		
2 / 51	.2	3.6	3.7	.4														66	66	119	103		
5 / 49	.1	1.0	.4															12	12	101	96		
/ 47		.2																2	2	45	107		
4 / 45		.2																2	2	4	104		
4 / 43																				2	37		
2 / 41																					29		
4 / 39																					7		
3 / 37																					1		
/ 35																					1		
TOTAL	1.9	19.2	31.7	24.3	11.8	6.0	2.3	.7	.8	.8	.4		.1					837	837	837	837		
																		837		837			

PSYCHROMETRIC SUMMARY

YEARS

JUL
MONTH

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

1 0100 BITBURG AB DL
STATION STATION NAME

73-81

YEARS

JUL
MONTH

PAGE 1 1500-1700
HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
✓ / 93																.1		1	1															
/ 91														.1			.2	3	3															
/ 89													.1	.2	.5			7	7															
6 / 87									.2				.4	.5				9	9															
6 / 85									.2	.1	.6		.2					10	10															
✓ / 83								.1	.5	.6			.4					17	17															
/ 81							.1	.6	.8	1.3	.1							25	25															
/ 79						.1	.2	1.0	1.4	.2	.2							27	27															
7 / 77					.2	.5	.6	1.3	1.7	.6	.4							44	44															
6 / 75				.6	.7	1.6	2.3	.2	.2									47	47															
4 / 73			.1	.5	.4	1.9	.8	.5	.1	.1								37	37															
/ 71	.1	.1	.7	1.7	1.1	1.9	1.1	.4										59	59	2														
/ 69		.5	.7	2.2	2.4	.6	.1											54	54	8	1													
✓ / 67		.2	.4	1.8	1.9	1.1	.6											50	50	23	1													
6 / 65		.6	1.4	2.7	2.2	1.7	.6											77	77	59														
4 / 63		.6	.8	2.6	2.7	4.8	1.8											112	112	81	20													
✓ / 61	.1	.2	1.1	1.7	3.2	2.6	.2											77	77	109	25													
/ 59		1.6	2.3	2.4	1.4	.4												67	67	88	36													
✓ / 57		1.3	2.2	1.7	1.1	.5												55	55	129	60													
5 / 55		1.2	1.6	1.1	.1													33	33	96	83													
4 / 53		1.0	.7	.6														19	19	141	104													
2 / 51		.2	.5															6	6	60	114													
5 / 49		.1																1	1	31	84													
4 / 47																				10	90													
4 / 45																					107													
4 / 43																					61													
2 / 41																					37													
4 / 39																					7													
3 / 37																					6													
✓ / 35																					1													
TOTAL	.1	6.3	10.0	13.1	16.7	17.2	13.9	9.0	5.9	3.2	1.6	.6	.8	1.1	.6	.2		837	837	837														

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 100 BITBURG AB DL
STATION STATION NAME

73-81
YEARS

JUL
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
6 / 85															.1			1														1	1		
4 / 83													.2	.1				3														3	3		
1 / 81												.1						1														1	1		
1 / 79									.4	.2			.1	.2				8														8	8		
7 / 77							.4	.4	.1		.5	.4						14														14	14		
6 / 75						.5	.7	.5		.1								15														15	15		
4 / 73				.1	.1	.6	.6	.1	.4	.1	.1							18														18	18		
2 / 71					.6	1.4	1.2		.2	.1								30														30	30		
1 / 69			.2	.5	1.6	1.7	.5	.2										39														39	39		
6 / 67			.7	1.0	1.2	1.2	.4											37														37	37	2	
6 / 65		.1	1.7	1.4	2.7	1.0	.6	.1										58														58	58	16	
4 / 63		1.4	2.8	4.4	2.7	1.3	.5	.2										106														106	106	50	
2 / 61		1.8	3.4	3.4	3.0	1.0	.1											105														105	105	65	
1 / 59	.1	1.7	4.4	4.9	3.4	1.0	.1											130														130	130	107	
1 / 57	.4	2.5	3.8	4.3	1.2	.1												103														103	103	113	
5 / 55		1.6	2.9	2.4	.4	.1												61														61	61	123	
4 / 53		1.6	2.7	1.4														42														42	42	121	
2 / 51	.2	2.6	2.2	.1	.2													45														45	45	120	
5 / 49	.4	1.7	.6															16														16	16	75	
4 / 47		.2																2														2	2	36	
4 / 45		.1																1														1	1	7	
4 / 43																																			
2 / 41																																			
4 / 39																																			
3 / 37																																			
1 / 35																																			
TOTAL	1.1	14.6	24.7	24.0	15.7	9.8	5.0	1.9	1.0	.4	.6	.6	.5	.2				835														835	835	835	

Element (X)	Z ₁	Z ₂	Z ₃	Z ₄	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	4215461	58009	69.5	14.9	835	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F
Dry Bulb	3206347	51441	61.6	6.6	835			18.5	6.7	1.7	93
Wet Bulb	2599398	46432	55.6	4.5	835			.2			93
Dew Point	2178677	42415	50.8	5.3	835						93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

JUL
MONTH

PAGE 1

ALL

HOURS 11 A.M. - 7 P.M.

[illegible]

PSYCHROMETRIC SUMMARY

1 / 120
STATION

BITBURG AB DL

73-81

AUG

PAGE 1

0000-0200
(00185 / 1 5 7)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
4 / 73																		2	2																
4 / 71																		3	3																
4 / 69				.3	.3													6	6																
6 / 67				.1	.8	.9	.5											18	18																
6 / 65			.9	1.5	1.6	.7	.5	.1										40	40	3															
4 / 63			2.3	3.3	3.3	.3	.7	.3										76	76	14	4														
4 / 61		.7	2.9	4.1	3.3	1.3	1.1	.3										103	103	47	17														
4 / 59	1.5	4.4	3.7	3.7	1.6	.7	.4											120	120	93	51														
4 / 57	.3	4.8	5.7	2.5	.7	.4	.1											109	109	99	56														
5 / 55		6.3	4.7	3.5		.8												114	114	102	85														
4 / 53		.7	3.9	3.7	1.7	.4												78	78	148	118														
4 / 51		.4	.5	2.5		.1												27	27	91	106														
5 / 49			.5	2.3	.1													22	22	61	78														
4 / 47			1.9	1.2														23	23	42	66														
4 / 45			.7	.3														7	7	38	71														
4 / 43																				10	47														
2 / 41																					22														
4 / 39																					8														
3 / 37																					8														
2 / 35																					9														
3 / 33																					2														
TOTAL	3.529	1.133	6.210	6.0	5.1	1.7												748	748	748															

PSYCHROMETRIC SUMMARY

YEARS

AUG
MONTH

0300-0500

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point											
67 / 71					.1	.1												2	2												
67 / 69					.3													2	2												
67 / 65				.3	.4	.3												7	7												
47 / 63	.1	1.1	1.9	1.9	.8													46	46	3											
67 / 61	.1	3.5	3.8	1.7	.4	.1												71	71	19											
67 / 59	2.7	8.3	5.7	1.4	1.8													152	152	68											
67 / 57	.1	5.8	3.7	1.3	.6	.1												87	87	117											
67 / 55	.4	7.7	5.9	1.9	.6	.6												136	136	100											
47 / 53	1.7	6.2	5.4	.5	.5													108	108	124											
27 / 51	.5	3.4	2.3	.8	.4													58	58	122											
57 / 49	1.7	2.7	2.1	.1														42	42	85											
67 / 47	.1	3.1	1.3	.1														37	37	60											
47 / 45		3.5	1.3															38	38	56											
47 / 43		1.7																8	8	27											
27 / 41																				13											
47 / 39																															
37 / 37																															
67 / 35																															
37 / 33																															
TOTAL	5.445	7.32	9	9.3	5.7	1.0												794		794											
																		794		794											

PSYCHROMETRIC SUMMARY

1 0100	BITBURG AB DL
STATION	STATION NAME

73-81

YEARS

 AUG
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
67			.1		.1													2	2															
65			.4	.6														8	8															
63		1.1	1.9	1.3	.1													36	36	5	1													
61	.6	3.2	3.7	1.1	.2													74	74	22	12													
59	1.1	7.8	3.7	1.3	.7	.1												123	123	59	35													
57	.8	7.3	2.9	1.0	.5													104	104	111	66													
55	.4	6.7	4.5	1.4	.1													110	110	105	105													
53	1.1	7.6	3.9	.8	.6													118	118	107	102													
51	2.7	5.5	3.3	.6	1.0													104	104	144	94													
49	.6	2.5	2.7	.5														47	47	96	101													
47	.5	3.8	.8															43	43	66	96													
45		4.8	1.3															51	51	64	80													
43		1.1	.4															12	12	32	60													
41		.4																3	3	18	42													
39		.2																2	2	6	21													
37																				2	15													
35																					7													
TOTAL	7.752	328.9	8.6	3.3	.1													837	837	837	837													

Element (X)	Σ X ²	Σ X	X	°A	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	6065791	70817	84.6	9.415	837	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	2538983	45903	54.8	5.078	837			.2				93
Wet Bulb	2314920	43820	52.4	4.986	837							93
Dew Point	2135990	42022	50.2	5.604	837							93

PSYCHROMETRIC SUMMARY

1 170 EITBURG AB DL

73-81

AUG

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0900-1100

HOURS (L, S, T-)

[illegible]

PSYCHROMETRIC SUMMARY

AUG
MONTH

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

AUG
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

1 0100	BITBURG AB DL
STATION	STATION NAME

73-81

YEARS

AUG
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

1 01 11 BITBURG AB DL
STATION

73-81

AUG
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

1 6100
STATION

BITBURG AB DL

73-81

AUG

PAGE 1

ALL

HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
1/84											.0							1	1															
6/87										.0	.0	.0						5	5															
6/85									.0	.0	.1	.1						15	15															
4/83								.0	.1	.4				.0				36	36															
1/81							.0	.2	.1	.3	.0		.0					45	45															
1/79						.1	.1	.3	.2	.1	.1	.0						63	63															
7/77						.1	.6	.5	.3	.3	.2	.1	.0					137	137															
6/75					.1	.4	.5	.7	.3	.3	.1							148	148															
4/73				.0	.3	.5	.8	.6	.6	.3	.0							205	205															
2/71			.0	.1	.6	.8	.9	.7	.5	.0	.0							254	254															
1/69			.2	.5	1.0	1.1	.6	.5	.1	.1	.0							258	258	15														
5/67			.4	.7	1.4	.8	.6	.2	.1									267	267	52														
6/65	.1	.2	.9	1.5	1.1	1.0	.5	.1	.1									349	349	200	1													
4/63	.1	1.5	2.6	3.8	2.2	1.4	.6	.1	.0									778	778	317	49													
2/61	.3	2.6	2.8	2.5	1.4	1.0	.2	.0										687	687	534	161													
1/59	.6	3.8	3.9	2.8	1.3	.6	.1											831	831	763	450													
1/57	.3	3.4	2.9	1.7	.8	.2	.0											596	596	976	561													
5/55	.2	3.6	3.3	1.7	.5	.2												601	601	961	752													
4/53	.5	2.8	2.5	1.0	.2													442	442	851	792													
2/51	.4	1.5	1.8	.2	.2													258	259	667	825													
5/49	.2	.7	1.1	.1														137	137	437	657													
4/47	.1	1.2	.5	.0														115	115	291	621													
4/45		1.2	.4															102	102	180	633													
4/43		.3	.7															20	20	72	353													
2/41		.7																3	3	31	288													
4/39		.1																2	2	6	92													
3/37																				2	64													
1/35																					38													
3/33																					12													
2/31																					3													
1/29																					3													
TOTAL	2.6	23.0	23.4	16.5	11.4	8.1	5.6	4.2	2.4	1.5	1.0	.3	.1	.0																				

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

PAGE 1 0000-0200
HOURS 11. 5. T.1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
/ 69						.1												1	1																
/ 67						.2												2	2																
6/ 65			.1	.2	.5	.1	.1											9	9																
4/ 63			.4	1.2	1.1	.4	.1											26	26	1															
/ 61		1.1	2.8	1.1														41	41	9	3														
/ 59		2.7	3.8	1.2	.2	.1												66	66	35	10														
/ 57	.6	4.7	4.2	.5	.5													85	85	68	32														
5/ 55	.7	7.2	3.5	1.4	.1	.2												106	106	86	59														
4/ 53	1.1	4.9	4.7	2.0	.1													104	104	118	102														
2/ 51	1.5	5.7	6.4	.6														115	115	95	110														
5/ 49	.7	4.1	5.3	.6														87	87	96	90														
/ 47	.4	5.3	2.5	.2														68	68	119	69														
/ 45	.5	3.6	2.8															56	56	85	121														
4/ 43	.1	2.1	.9															25	25	42	68														
2/ 41		2.0	.1															17	17	38	65														
4/ 39		.2																2	2	15	33														
3/ 37																				3	37														
1/ 35																					11														
TOTAL	5.744	138.5	9.3	1.5	1.0													810	810	810	810														

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 0100 BITBURG AB DL 73-81 SEP
STATION STATION NAME YEARS MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
4 / 67	.1	.5	.4	.5		.1												13	13	1	1			
3 / 61		.2	.4	1.0	.1	.1												15	15	5	2			
2 / 59		3.0	3.2	1.0	.1													59	59	6	4			
1 / 57	.9	2.6	3.6	.1	.1													59	59	51	24			
5 / 55	1.0	7.5	2.5	1.0														97	97	52	48			
4 / 53	.9	6.9	3.8	.5														98	98	124	59			
2 / 51	1.6	4.7	4.3		.2													88	88	97	101			
5 / 49	1.2	3.7	3.2	.1														67	67	86	82			
4 / 47	1.5	9.9	3.2															118	118	110	81			
4 / 45	1.5	8.9	2.8															107	107	112	140			
4 / 43	.4	2.7	1.4															36	36	72	86			
2 / 41	.1	4.4	.2															39	39	45	79			
4 / 39		1.5	.1															13	13	34	43			
3 / 37		.1																1	1	13	40			
2 / 35																				2	14			
3 / 33																					5			
2 / 31																					1			
TOTAL	0.156.729.1 4.2 .6 .2																		810		810			

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	6028303	69545	85.9	8.416	810	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	2137819	41377	51.1	5.466	810							90
Wet Bulb	1963249	39655	49.0	5.199	810							90
Dew Point	1811306	38032	47.0	5.624	810		.1					90

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

550

30 MONTH

PAGE 1 0600-0800
HOURS L. S. T. 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
4 / 63		.6	.1	.4														9	9																
2 / 61			.1	.2														3	3	6	3														
1 / 59	.1	2.0	2.0	.4														36	36	1	4														
1 / 57	1.0	3.6	4.0	.4														72	72	33	14														
5 / 55	.6	4.0	1.5	.5														53	53	47	36														
4 / 53	1.9	7.2	2.8	.2														98	98	108	56														
2 / 51	.5	6.2	4.6															91	91	71	79														
5 / 49	1.1	5.7	2.3	.1	.2													77	77	107	73														
1 / 47	1.7	9.5	2.2															109	109	110	91														
4 / 45	2.3	13.8	2.3															150	150	123	164														
4 / 43	.6	4.4	1.1															50	50	102	94														
2 / 41	.1	3.5	.2															31	31	43	88														
1 / 39		1.9	.7															21	21	28	44														
3 / 37	.1	.7																7	7	16	30														
1 / 35		.2																2	2	12	20														
3 / 33	.1																	1	1	3	5														
2 / 31																					9														
TOTAL	17.263	224.1	2.2	.2															810		810														
																		810		810															

PSYCHROMETRIC SUMMARY

SEP
MON IN

PAGE 1 3900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point											
1 / 71					.1	.2	.1											4	4													
1 / 69						.2												2	2													
1 / 67					.5													4	4													
6 / 65			.1	.6	.2													8	8													
4 / 63		1.5	2.7	1.6	.4	.1												45	45	1												
2 / 61		.7	1.9	1.5	.4													36	36	26	4											
1 / 59	.9	3.3	4.7	1.5	.5	.1												89	89	37	23											
1 / 57	.2	4.2	3.6	2.7	.7	.1												88	88	69	41											
5 / 55	.6	5.3	3.6	2.7	.4													96	96	77	58											
4 / 53	.6	4.6	5.1	1.2	.1													94	94	101	80											
2 / 51	.9	4.9	5.4	.6														96	96	107	91											
5 / 49	.6	4.7	3.6															72	72	126	74											
1 / 47	1.1	5.2	3.7	.2														77	77	174	102											
4 / 45	.9	5.6	1.4															63	63	87	154											
4 / 43		1.4	.4															14	14	41	71											
2 / 41		2.3	.1															20	20	21	61											
4 / 37		.2																2	2	10	36											
3 / 37																				3	9											
1 / 35																					4											
3 / 33																					2											
TOTAL	5.3	44.0	34.7	11.2	3.3	.9	.1											810	810	810	810											
																					810		810									

PSYCHROMETRIC SUMMARY

1 + 100 BITBURG AB DL
STATION

73-81

SEP
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

SEP
MONTH

PAGE 1 1500-1700
NOTES (L. 5, 7.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
6 / 85												.1						1	1					
4 / 83											.2							2	2					
1 / 81										.5		.4						7	7					
1 / 79									.2	.6								7	7					
7 / 77							.1	.4	.7	.1								11	11					
6 / 75						.2	.6	.4	.1									11	11					
4 / 73				.4	1.0	1.6	.4	.2	.1									30	30					
2 / 71			.2	.7	1.7	1.5	.6											39	39					
1 / 69			.5	1.1	3.0	.6	1.0											50	50					
6 / 67		.1	1.0	1.7	2.1	.9	.6	.4										55	55					
6 / 65		.6	1.7	3.3	1.1	1.4	.4											63	63	10				
4 / 63		.5	3.0	5.3	4.3	2.8	1.6	.6										147	147	59				
2 / 61		.2	1.2	2.1	1.7	2.5	.1	.1										65	65	71				
1 / 59		.9	1.7	3.7	2.5	2.5	.1											86	86	99				
1 / 57	.1	1.5	1.7	2.5	1.1	1.1												65	65	102				
5 / 55	.1	.7	2.2	1.9	1.4	1.1												60	60	102				
4 / 53	.1	1.6	1.4	1.0	1.5													45	45	104				
2 / 51		.6	1.9	.9														27	27	97				
5 / 49			1.6	.6														18	18	58				
1 / 47		1.3	.6															13	13	49				
4 / 45	.1	.2	.2															5	5	50				
4 / 43		.2																2	2	8				
2 / 41		.1																1	1	1				
4 / 39																								
3 / 37																								
1 / 35																								
2 / 31																								
TOTAL	.5	7.7	15.6	20.6	19.8	19.1	8.5	4.4	1.7	1.4	.6	.1						810	810	810				

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

1 6107	BITBURG AB DL
STATION	STATION NAME

73-81

YEARS

SEP
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 0100 BITBURG AB DL

73-81

YEARS

SEP
MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point					
6 / 85																			1	1					
4 / 83												.0							3	3					
1 / 81										.1	.1								10	10					
1 / 79									.1	.1	.0								10	10					
7 / 77							.0	.2	.2	.0									27	27					
6 / 75						.0	.2	.1	.0										26	26					
4 / 73					.1	.2	.4	.1	.0	.0									56	56					
1 / 71			.0	.0	.2	.5	.4	.1	.0										90	90					
1 / 69			.0	.1	.4	.9	.2	.2											124	124					
6 / 67			.1	.2	.8	.5	.2	.1	.1										129	129	2				
6 / 65		.0	.4	.9	1.0	.4	.3	.1	.0										210	210	20				
4 / 63	.0	.8	1.7	3.0	1.6	.9	.4	.1											558	558	134	9			
2 / 61	.0	.6	1.9	1.7	.8	.6	.2	.0											378	378	272	47			
1 / 59	.1	2.0	3.7	2.2	1.1	.9	.0	.0											653	653	382	155			
1 / 57	.4	3.0	3.2	1.6	.9	.3	.0												609	609	618	290			
5 / 55	.5	4.2	2.7	1.9	.7	.3													662	662	670	485			
4 / 53	.6	4.2	3.7	1.3	.5														664	664	867	685			
2 / 51	.6	3.5	4.1	.8	.1														597	597	766	794			
5 / 49	.5	2.7	2.6	.4	.0														413	413	747	630			
4 / 47	.7	4.5	2.1	.2															491	491	700	638			
4 / 45	.7	4.5	1.5	.7															435	435	633	1028			
4 / 43	.1	1.8	.5																158	158	324	521			
2 / 41	.7	1.8	.1																126	126	191	580			
4 / 39		.5	.1																39	39	100	319			
3 / 37	.0	.1																	8	8	37	197			
3 / 35		.0																	2	2	14	75			
3 / 33	.0																		1	1	3	15			
2 / 31																						12			
TOTAL	4.4	34.2	28.5	14.5	8.4	5.7	2.4	1.1	.4	.2	.1	.0							6480	6480	6480	6480			
																						</			

FORM 0-26-5 (O.L.A.)

USAFETAC

PSYCHROMETRIC SUMMARY

OCT
MONTH

0300-0500

HOURS 11-5-7

[illegible]

PSYCHROMETRIC SUMMARY

73-81

YEARS

OCT
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point				
1 / 59			1.1															9	9					
1 / 57			.7	.1														7	7	3				
5 / 55	.5	1.0	.7															18	18	16	8			
4 / 53	.4	3.1	.4															32	32	13	19			
2 / 51	.6	3.7	1.3															47	47	52	9			
5 / 49	.7	3.9	2.7	.4														59	59	46	57			
1 / 47	.7	5.5	1.8	.1														68	68	62	38			
4 / 45	1.7	11.2	3.1															134	134	85	89			
4 / 43	1.0	6.6	2.7	.4														83	83	114	67			
2 / 41	1.4	8.8	1.8															101	101	86	121			
4 / 39	1.6	6.5	.4	.5														74	74	79	86			
3 / 37	2.6	4.8	1.0	.2														72	72	91	78			
2 / 35	1.9	4.8	1.1	.1														66	66	64	86			
3 / 33	.8	2.0	1.1	.4														36	36	59	47			
2 / 31	.2	1.6	.5															19	19	35	39			
1 / 29	.2	1.1																11	11	31	25			
2 / 27	.1																	1	1	1	43			
1 / 25																					14			
2 / 23																					8			
1 / 19																					2			
1 / 17																					1			
TOTAL	14.565	218.3	2.0															837	837	837	837			

PSYCHROMETRIC SUMMARY

1 2 1 30
STATION

BITBURG AB DL

73-81

OCT

PAGE 1

0900-1100

HOURS 1 L, 5, T.

[illegible]

PSYCHROMETRIC SUMMARY

OCT
MONTH

1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

! 0130	SITBURG AB DL
STATION	STATION NAME

73-81

YEARS

OCT
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

1-130	BITBURG AB DL
STATION	STATION NAME

73-81

YEARS

OCT
MONTH

PAGE 1 2100-2300

HOURS (S - T - F)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
5 / 67					.1													1	1																
6 / 65					.1													3	3																
4 / 63				.1														1	1																
5 / 61		.2	.7	.1														9	9	2															
7 / 59		.2	1.6	.7														21	21	5															
7 / 57		1.1	1.2	.2														20	20	11	6														
5 / 55	.4	1.4	1.4	.4	.1													31	31	26	11														
4 / 53	.7	3.3	2.7	1.6														64	64	40	30														
2 / 51	.5	3.2	4.2	.4	.2													71	71	48	36														
5 / 49	.8	2.9	3.7															56	56	71	40														
7 / 47	1.1	2.7	2.6	.6														59	59	80	63														
4 / 45	.8	9.2	5.7	1.1	.1													142	142	77	92														
4 / 43	.1	7.3	4.2	1.7														105	105	104	60														
2 / 41		8.1	2.3	1.1	.1													97	97	99	107														
4 / 39	.1	7.0	.6	.7	.1													72	72	88	95														
3 / 37	.6	3.6	1.1		.1													45	45	84	89														
7 / 35	.1	2.3	.7															26	26	45	90														
3 / 33	.4	.5	.7															13	13	40	27														
2 / 31		.1																1	1	9	27														
7 / 29																				8	31														
7 / 27																					12														
7 / 25																					15														
7 / 23																					3														
7 / 17																					3														
TOTAL	.653	2.32	0	8.1	1.1														837		837														
																		837		837															

Element (R)	Σ _R ¹	Σ _R	Σ	Σ _R ²	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5805216	69257	82.7	9.519	837	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	1817979	38627	46.1	6.495	837		.1	.1				93
Wet Bulb	1636367	36632	43.8	6.295	837		1.9					93
Dew Point	1454294	34386	41.1	7.057	837		10.1					93

PSYCHROMETRIC SUMMARY

1 6100	BITBURG AB DL
STATION	STATION NAME

73-81

YEARS

OCT
MONTH

PAGE 1

ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	Dry Bulb	Wet Bulb	Dew Point												
6 / 75								.0	.0									3	3													
4 / 73								.0										1	1													
2 / 71						.0	.0											2	2													
1 / 69					.1	.1												14	14													
5 / 67					.3	.0	.0											23	23													
6 / 65				.3	.2	.0												32	32													
4 / 63			.3	.9	.2	.1	.1											104	104	2												
2 / 61		.1	.5	.6	.2	.0												87	87	28												
1 / 59		.4	1.1	.7	.2	.1												175	175	75												
5 / 57		.8	1.2	.6	.4	.0												201	202	143												
5 / 55	.3	1.4	1.2	.9	.3	.1												273	273	190												
4 / 53	.4	2.8	1.4	1.7	.4		.1											455	455	309												
2 / 51	.4	3.2	3.3	.7	.3	.0	.0											530	530	395												
5 / 49	.6	3.0	3.1	.8	.2													511	511	371												
4 / 47	.7	4.4	2.5	.8	.2	.0												587	587	675												
4 / 45	1.0	9.1	4.3	1.0	.4	.1												1072	1072	767												
4 / 43	.3	5.2	2.6	.7	.1	.0												608	608	822												
2 / 41	.6	7.6	1.7	.6	.1													703	703	674												
4 / 39	.8	5.2	1.0	.2	.1													483	483	670												
3 / 37	1.1	3.7	.8	.2	.0													378	378	540												
2 / 35	.5	2.4	.7	.1														247	247	402												
3 / 33	.4	1.0	.4	.1														121	121	270												
2 / 31	.1	.6	.2															54	54	139												
1 / 29	.0	.4																26	26	72												
0 / 27	.0																	3	3	9												
0 / 25																				86												
0 / 23																				38												
2 / 21																				6												
1 / 19																				16												
1 / 17																				7												
TOTAL	7.2	51.4	26.1	10.8	3.5	.8	.2	.0										6693	6694	6693												

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

1-100	BITBURG AB DL
STATION	STATION NAME

73-81

YEARS

NOV
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

NO W

PAGE 1 0900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

PAGE 1 1270-1400
HOURS (L. S. T.)

[illegible]

0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
1 / 59				.1														1	1													
1 / 57		.4	.2	.6														10	10													
5 / 55		.7	1.7	.1														15	15	3	3											
4 / 53		.2	1.6	.7														21	21	9	1											
2 / 51	.1	.5	2.6		.4													29	29	23	6											
5 / 49	.4	1.7	2.5	.6	.2													44	44	28	17											
4 / 47	.1	2.5	2.6	.4	.1													46	46	49	20											
4 / 45	.6	5.6	3.2	2.1	.1													94	94	52	65											
4 / 43	.1	4.2	2.1	1.9														67	67	65	29											
2 / 41	.6	7.4	5.6	2.0	.4													129	129	90	73											
4 / 39	.2	6.2	4.9	1.2	.1													103	103	79	78											
3 / 37	.2	4.8	2.6	1.2														88	88	110	62											
1 / 35	.1	2.7	2.2	.9														48	48	96	77											
3 / 33	.5	2.2	1.5	1.2														44	44	67	80											
2 / 31		1.2	1.5	.1														23	23	58	64											
5 / 29		2.8	.7	.2														31	31	38	65											
2 / 27	.2	.2	1.6															17	17	23	62											
1 / 25																				17	33											
2 / 23																				3	31											
2 / 21																					15											
1 / 19																					13											
1 / 17																					5											
1 / 15																					6											
1 / 13																					1											
1 / 11																					4											
TOTAL	5.343	5.536	4.135	1.4														810	810	810	810											

Element (X)	$\Sigma x'$	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5076713	63419	78.311730		810	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	1433897	33665	41.66551		810		7.9					90
Wet Bulb	1255403	31455	38.86473		810		15.4					90
Dew Point	1045789	28405	35.17837		810		33.2					90

PSYCHROMETRIC SUMMARY

1-6100
STATION

BITBURG AB DL

73-81

NO V

PAGE 1 1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

1 130	BITBURG AB DL
STATION	STATION NAME

73-81

YEARS

DEC
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFS WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 0100 BITBURG AB DL
STATION STATION NAME

73-81
YEARS

DEC
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
4 / 53		.4																			3	3		
2 / 51			.2																		2	2	3	
5 / 49		.7	.1																		7	7	1	3
4 / 47		1.3	.1	.1																	13	13	7	1
4 / 45		6.1	2.2																		69	69	37	20
4 / 43	.1	3.6	.8																		38	38	34	25
2 / 41	.5	6.5	.4																		61	61	55	44
4 / 39		4.7	1.2																		49	49	54	60
3 / 37	.6	4.4	1.7																		50	50	46	37
2 / 35	.1	9.9	2.2																		102	102	68	51
3 / 33	.7	7.4	1.7																		82	82	95	57
2 / 31	.4	7.6	1.2																		77	77	110	58
2 / 29	.2	7.0	.6																		66	66	91	76
2 / 27	1.1	6.6	.2																		66	66	54	121
2 / 25	.6	3.1																			31	31	37	69
2 / 23	.6	5.3																			49	49	34	49
2 / 21	.7	1.4	.2																		20	20	45	33
2 / 19	1.1	1.4																			21	21	21	32
1 / 17	.4	1.1																			12	12	18	30
1 / 15	.1	.6																			6	6	12	26
1 / 13		.2																			2	2	3	13
1 / 11	.1	.1																			2	2	3	1
1 / 9	.2	.1																			3	3	3	16
1 / 7	.4	.2																			5	5	5	3
1 / 5		.1																			1	1	1	8
1 / 3																								3
1 / 1																								1
TOTAL	7.9	79.9	12.1	.1																	837	837	837	837
Element (X)	Σ x'	Σ x	X	σ _x	No. Obs.	Mean No. of Hours with Temperature										Total								
Rel. Hum.	595968.7	70362	84.1	7.315	837	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dry Bulb	1001273	28117	33.6	8.239	837		40.1					93												
Wet Bulb	913206	26837	32.1	7.975	837		48.6					93												
Dew Point	781882	24492	29.3	8.832	837		59.9					93												

USAFETAC FORM 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JAN 64

PSYCHROMETRIC SUMMARY

1170	BITBURG AB DL
STATION	STATION NAME

73-81

YEARS

DEC

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
57 / 57			.1															1	1																
55 / 55			.2															2	2																
53 / 53																					1														
51 / 51			.1															1	1	2															
50 / 40			.4	.1														4	4		3														
47 / 47		1.6	.1															14	14	4															
45 / 45		5.1	2.5	.1														65	65	33	12														
43 / 43		4.4	.7															43	43	31	24														
41 / 41	.1	7.0	.6															65	65	63	49														
39 / 39		5.7	1.0															56	56	58	57														
37 / 37	.6	4.1	1.1															48	48	56	47														
35 / 35	.4	7.6	1.8	.1														83	83	56	56														
33 / 33	.2	8.7	2.2															93	93	84	47														
31 / 31	.5	7.2	1.7															78	78	124	65														
29 / 29	.4	9.3	.5															85	85	104	69														
27 / 27	.6	6.1	.1															57	57	49	135														
25 / 25	.5	4.3																40	40	40	63														
23 / 23	.6	3.1	.2															33	33	40	58														
21 / 21	.8	1.7	.4															24	24	28	34														
19 / 19	.8	1.7																21	21	23	31														
17 / 17	.4	.5																7	7	21	21														
15 / 15	.1	.6																6	6	7	27														
13 / 13		.1																1	1	2	7														
11 / 11		.2																2	2	3	7														
9 / 9	.4	.1																4	4	4	12														
7 / 7		.1																1	1	1	3														
5 / 5	.2																	2	2	2	7														
3 / 3	.1																	1	1	1	1														
1 / 1																					3														
TOTAL	6.7	79.3	13.6	.4														837	837	837	837														
																		837		837															

Element (X)	$\Sigma x'$	Σx	\bar{x}	s_A	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Num.						≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	5731755	70193	83									

PSYCHROMETRIC SUMMARY

1 0100	BITBURG AB DL
STATION	STATION NAME

73-81

YEARS

DEC
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1

2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

1 6100 BITBURG AB DL
STATION STATION NAME

73-81

YEARS

DEC
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
57 / 57			.0	.0														4	4					
55 / 55			.0	.0														3	3					
53 / 53		.1	.0	.0														14	14	5				
51 / 51		.1	.3	.0														26	26	13				
49 / 49		.5	.5	.2														79	79	10				
47 / 47	.0	1.5	.6	.1														148	148	93				
45 / 45	.7	5.6	2.0	.1	.0													517	517	297				
43 / 43	.3	3.5	1.3	.0														347	347	319				
41 / 41	.2	6.4	1.2	.1														528	528	424				
39 / 39	.1	4.8	1.3	.0														418	418	440				
37 / 37	.6	4.2	2.0	.0														457	457	432				
35 / 35	.4	8.6	2.8	.1														793	793	506				
33 / 33	1.1	8.8	2.6	.0														838	838	855				
31 / 31	.4	6.3	1.6	.0														557	557	985				
29 / 29	.2	6.7	.6	.0														499	499	652				
27 / 27	.9	6.1	.8	.1														531	531	418				
25 / 25	.3	3.6	.1	.1														269	269	340				
23 / 23	.5	3.1	.2	.0														259	259	283				
21 / 21	.5	1.6	.2															153	153	238				
19 / 19	.5	1.1	.2															107	107	150				
17 / 17	.1	.4																40	40	103				
15 / 15	.1	.4																34	34	41				
13 / 13	.3	.3																21	21	33				
11 / 11	.1	.2																21	21	25				
9 / 9	.2	.1																16	16	17				
7 / 7	.1	.1																11	11	11				
5 / 5	.0	.0																4	4	4				
3 / 3	.7																	1	1	1				
1 / 1																								
-1 / -3																								
TOTAL	6.6	74.1	18.3	1.1	.0													6695	6695	6695				

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	46378966	554426	82.8	8.342	6695	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	8372321	230977	34.									

PSYCHROMETRIC SUMMARY

10c130
STATION

BITBURG AB DL

73-81

ALL
MONTH

PAGE 1

ALL

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point											
4/ 93																.0		2	2												
7/ 91															.0		.0	5	5												
8/ 89											.0		.0	.0	.0	.0	.0	22	22												
8/ 87									.0	.0	.0	.0	.0	.0	.0	.0	.0	45	45												
8/ 85									.0	.0	.0	.0	.0	.0	.0	.0	.0	55	55												
4/ 83									.0	.0	.0	.0	.0	.0	.0			93	93												
2/ 81							.0	.0	.0	.1	.0	.0	.0	.0	.0			158	158												
8/ 79						.0	.0	.1	.1	.1	.0	.0	.0	.0				212	212												
7/ 77					.0	.0	.1	.1	.1	.1	.0	.0	.0	.0				422	422												
7/ 75					.0	.1	.2	.2	.1	.0	.0	.0						458	458												
7/ 73				.0	.1	.1	.3	.2	.1	.0	.0							616	616												
2/ 71		.0	.0	.0	.2	.2	.3	.2	.1	.0	.0							808	808	3											
7/ 69		.0	.0	.1	.2	.4	.2	.2	.0	.0	.0							962	962	34	1										
6/ 67			.1	.1	.4	.3	.2	.1	.0	.0								981	981	147	2										
6/ 65	.0	.0	.2	.4	.4	.3	.3	.1	.1	.0								1470	1470	488	1										
4/ 63	.0	.4	.6	1.1	.8	.7	.3	.2	.1	.0								3294	3294	1022	171										
2/ 61	.0	.5	.8	.8	.6	.4	.2	.1	.0									2703	2703	1851	417										
6/ 59	.1	.9	1.3	1.1	.7	.5	.2	.1	.0	.0								3762	3762	2391	1141										
5/ 57	.1	1.1	1.2	1.0	.5	.2	.1	.0	.0									3337	3338	3474	1631										
5/ 55	.1	1.5	1.3	1.1	.4	.3	.1	.0	.0									3743	3743	3918	2526										
4/ 53	.2	1.4	1.4	1.0	.4	.1	.1	.0	.0									3683	3683	4587	3278										
2/ 51	.2	1.5	2.0	.4	.4	.1	.1	.0										3691	3692	4574	3842										
5/ 49	.2	1.4	1.6	.5	.2	.1	.0	.0										3125	3125	4418	3579										
4/ 47	.2	2.2	1.2	.5	.3	.1	.0											3584	3584	4773	4020										
4/ 45	.3	3.6	1.9	.8	.4	.1	.0											5499	5499	4692	6777										
4/ 43	.2	2.0	1.5	.7	.2	.0	.0											3619	3619	4121	4358										
2/ 41	.2	3.8	1.7	.7	.2	.0	.0											5224	5224	4084	5179										
4/ 39	.2	3.3	1.3	.4	.2	.0	.0											4225	4225	4398	4304										
3/ 37	.5	2.7	1.4	.3	.0	.0												3967	3967	5017	4373										
3/ 35	.2	3.4	1.7	.2																											

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

1100 BITBURG AB DL

73-81

STATION		STATION NAME										YEARS									
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP.	OCT.	NOV	DEC	ANNUAL							
C-02	MEAN	32.7	33.2	38.5	41.5	48.7	55.3	58.0	58.2	53.2	45.2	38.6	34.3	44.7							
	S D	7.535	6.371	7.005	6.384	5.905	6.243	5.443	4.915	5.429	6.359	7.144	8.121	11.271							
	TOTAL OBS	833	762	837	810	836	810	834	748	810	837	809	837	9763							
5-15	MEAN	32.0	32.1	37.0	39.4	46.3	52.7	55.4	55.7	51.1	43.9	37.8	33.7	43.1							
	S D	7.838	6.736	7.177	6.108	5.743	5.920	4.913	4.908	5.466	6.498	7.205	8.056	10.732							
	TOTAL OBS	837	762	837	810	837	810	837	794	810	836	809	837	9816							
5-18	MEAN	31.8	31.6	36.2	38.3	46.1	52.6	55.2	54.8	49.9	43.3	37.4	33.6	42.6							
	S D	7.950	6.770	7.401	5.917	5.941	5.854	4.723	5.078	5.393	6.466	7.381	8.239	10.749							
	TOTAL OBS	837	762	837	810	837	810	837	837	810	837	810	837	9861							
-11	MEAN	32.0	32.2	37.8	42.7	51.7	58.4	60.2	60.2	53.8	44.9	37.7	33.7	45.5							
	S D	7.858	6.618	7.053	6.866	6.908	6.988	6.338	5.764	5.759	6.664	7.345	8.030	12.578							
	TOTAL OBS	837	761	837	810	837	810	837	837	810	837	810	837	9860							
12-14	MEAN	33.7	35.6	42.3	47.8	56.8	63.2	65.3	66.1	59.9	49.3	40.2	35.3	49.7							
	S D	7.322	6.346	6.934	8.335	7.950	8.132	7.805	7.040	6.775	7.096	6.739	7.311	13.858							
	TOTAL OBS	837	762	837	810	836	810	836	818	810	837	810	836	9839							
15-17	MEAN	35.0	37.9	44.9	50.1	59.0	65.2	67.5	68.5	62.4	51.4	41.6	36.0	51.6							
	S D	6.797	6.644	7.237	8.875	8.372	8.728	8.535	7.416	7.320	7.485	6.551	6.996	14.270							
	TOTAL OBS	836	762	837	810	837	810	837	807	810	836	810	837	9829							
-20	MEAN	33.8	36.2	43.3	48.5	57.7	63.9	66.4	67.0	59.9	48.9	40.0	34.9	50.0							
	S D	6.974	6.250	7.074	8.501	8.067	8.482	8.254	7.226	7.039	7.073	6.658	7.296	14.107							
	TOTAL OBS	837	762	837	810	837	810	837	767	810	837	809	837	9790							
1-23	MEAN	33.0	34.2	40.1	44.3	52.4	58.8	61.6	61.4	55.4	46.1	38.8	34.4	46.6							
	S D	7.327	6.127	6.750	7.186	6.737	7.050	6.685	5.807	5.861	6.495	7.019	7.669	12.372							
	TOTAL OBS	836	762	837	810	837	810	835	748	810	837	810	837	9769							
ALL HOURS	MEAN	33.0	34.1	40.0	44.1	52.3	58.8	61.2	61.5	55.7	46.6	39.0	34.5	46.7							
	S D	7.531	6.817	7.672	8.407	8.483	8.624	8.122	7.833	7.497	7.293	7.139	7.765	12.954							
	TOTAL OBS	6690	6095	6696	6480	6694	6480	6690	6356	6480	6694	6477	6695	78527							

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

STATION		STATION NAME												YEARS	
100		BITBURG AB DL												73-81	
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
0-30	MEAN	31.0	31.3	35.7	37.8	44.9	51.4	53.8	54.4	50.5	43.2	36.9	32.7	41.9	
	S D	7.252	6.220	6.817	5.765	5.548	5.275	4.434	4.563	5.117	6.198	7.038	7.847	10.433	
	TOTAL OBS	833	762	837	810	836	810	834	748	810	837	809	837	9763	
-35	MEAN	30.5	30.4	34.6	36.3	43.2	49.8	52.3	52.8	49.0	42.1	36.2	32.1	40.8	
	S D	7.564	6.565	6.952	5.728	5.512	5.286	4.424	4.752	5.199	6.337	7.103	7.813	10.236	
	TOTAL OBS	836	762	837	810	837	810	837	794	810	836	809	837	9815	
-08	MEAN	31.3	29.9	33.9	35.6	43.2	49.8	52.3	52.4	48.1	41.6	35.9	32.1	40.5	
	S D	7.689	6.581	7.145	5.581	5.735	5.189	4.375	4.986	5.203	6.368	7.259	7.975	10.322	
	TOTAL OBS	837	762	837	810	837	810	837	837	810	837	810	837	9861	
-11	MEAN	30.4	30.4	35.2	38.8	47.0	53.3	55.3	55.7	51.0	43.0	36.1	32.1	42.4	
	S D	7.676	6.424	6.825	5.858	5.930	5.249	4.775	4.533	5.106	6.439	7.191	7.710	11.234	
	TOTAL OBS	837	761	837	810	837	810	837	836	810	837	810	837	9859	
1-14	MEAN	31.9	33.0	38.2	41.6	49.4	55.1	57.3	58.0	54.3	45.9	38.0	33.4	44.7	
	S D	7.021	6.028	6.514	6.364	6.062	5.453	4.919	4.640	5.257	6.320	6.633	7.088	11.289	
	TOTAL OBS	837	762	837	810	836	810	836	818	810	836	810	836	9838	
1-17	MEAN	32.8	34.4	39.5	42.5	50.2	55.8	58.0	58.7	55.1	47.0	38.8	34.0	45.6	
	S D	6.487	5.973	6.487	6.301	6.012	5.340	4.918	4.545	5.254	6.457	6.473	6.796	11.119	
	TOTAL OBS	836	762	837	810	837	810	837	807	810	836	810	837	9829	
-2	MEAN	31.9	33.3	38.6	41.6	49.5	55.3	57.6	58.0	53.9	45.5	37.8	33.1	44.6	
	S D	6.708	5.857	6.505	6.180	5.895	5.312	4.727	4.515	5.355	6.465	6.660	7.071	11.225	
	TOTAL OBS	837	762	837	810	837	810	837	767	810	837	809	837	9790	
1-23	MEAN	31.2	31.9	36.7	39.3	46.9	53.1	55.6	55.6	51.6	43.8	37.0	32.7	42.9	
	S D	7.001	5.947	6.595	5.949	5.641	5.140	4.574	4.466	5.151	6.295	7.005	7.460	10.781	
	TOTAL OBS	836	762	837	810	837	810	835	748	810	837	810	837	9769	
ALL HOURS	MEAN	31.2	31.8	36.6	39.2	46.8	53.0	55.3	55.7	51.7	44.0	37.1	32.8	42.9	
	S D	7.220	6.379	6.996	6.429	6.353	5.740	5.124	5.154	5.726	6.605	6.989	7.505	10.981	
	TOTAL OBS	6689	6095	6694	6480	6694	6480	6690	6355	6480	6693	6477	6695	78524	

2
 GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

1-0 BITBURG AB DL

73-81

STATION	STATION NAME	YEARS												
HRS LST	MEAN	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
0-12	S D	8.249	7.488	8.205	7.045	6.879	5.896	5.260	5.625	5.637	6.837	7.980	8.729	11.154
	TOTAL OBS	833	762	837	810	836	810	834	748	810	837	809	837	9763
	MEAN	27.5	26.9	30.5	31.7	39.7	47.1	49.7	50.4	47.0	40.1	33.8	29.2	37.8
	S D	8.674	7.649	8.174	6.843	6.615	5.698	5.179	5.505	5.624	6.926	7.996	8.711	11.096
	TOTAL OBS	836	762	837	810	837	810	837	794	810	836	809	837	9815
	MEAN	27.2	26.5	30.2	31.6	39.9	47.3	49.8	50.2	46.3	39.7	33.5	29.3	37.7
	S D	8.851	7.609	8.208	6.550	6.782	5.554	5.094	5.604	5.551	6.998	8.120	8.832	11.174
	TOTAL OBS	837	762	837	810	837	810	837	837	810	837	810	837	9861
	MEAN	27.3	26.9	31.2	33.6	42.1	48.9	51.5	52.1	48.5	40.8	33.8	29.3	38.9
	S D	8.761	7.493	8.013	6.611	7.014	5.718	5.293	5.129	5.360	7.060	7.973	8.550	11.592
	TOTAL OBS	837	761	837	810	837	810	837	836	810	837	810	837	9859
	MEAN	28.3	28.5	32.3	33.8	42.0	48.5	51.3	51.8	49.7	42.4	34.9	30.2	39.5
	S D	8.187	7.287	8.404	7.277	7.317	6.294	5.472	5.663	5.801	7.047	7.709	8.078	11.294
	TOTAL OBS	837	762	837	810	836	810	836	818	810	836	810	836	9838
	MEAN	28.8	28.8	32.2	33.1	41.6	48.2	50.9	51.2	49.0	42.5	35.1	30.5	39.4
	S D	7.770	7.431	8.894	7.515	7.350	6.118	5.546	5.931	5.972	7.295	7.837	7.901	11.137
	TOTAL OBS	836	762	837	810	837	810	837	807	810	836	810	837	9829
	MEAN	28.3	28.3	32.1	32.9	41.4	48.3	50.9	51.0	48.9	41.9	34.6	29.9	39.0
	S D	7.883	7.340	8.836	7.542	7.613	6.217	5.435	5.994	6.018	7.269	7.828	8.100	11.262
	TOTAL OBS	837	762	837	810	837	810	837	767	810	837	809	837	9790
	MEAN	28.0	27.8	31.6	32.7	41.0	48.2	50.8	51.0	48.3	41.1	34.2	29.7	38.6
	S D	7.979	7.319	8.450	7.372	7.275	5.957	5.381	5.831	5.707	7.057	8.066	8.413	11.245
	TOTAL OBS	836	762	837	810	837	810	835	748	810	837	810	837	9769
ALL HOURS	MEAN	27.9	27.7	31.4	32.7	41.1	48.1	50.7	51.1	48.2	41.2	34.3	29.7	38.7
	S D	8.316	7.489	8.430	7.140	7.159	5.959	5.366	5.691	5.804	7.125	7.953	8.428	11.262
	TOTAL OBS	6689	6095	6696	6480	6694	6480	6690	6355	6480	6693	6477	6695	78524

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
A1C - WEATHER SERVICE/MAC

RELATIVE HUMIDITY

1. 100
STATION

GITBURG AB DL

STATION NAME

73-81

PERIOD

JAN
MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	0-02	100.0	100.0	100.0	100.0	100.0	99.4	89.0	64.0	22.9	82.8	833
	03-05	100.0	100.0	100.0	100.0	100.0	99.6	91.4	65.9	23.4	83.3	836
	06-08	100.0	100.0	100.0	100.0	99.9	99.3	90.3	66.1	23.4	83.2	837
	09-11	100.0	100.0	100.0	100.0	100.0	98.6	89.5	67.5	24.1	83.2	837
	12-14	100.0	100.0	100.0	100.0	99.6	96.9	81.6	56.5	21.6	81.1	837
	15-17	100.0	100.0	100.0	100.0	99.0	94.6	72.6	48.2	17.1	78.6	836
	18-20	100.0	100.0	100.0	100.0	99.8	96.9	82.7	53.0	18.3	80.5	837
	21-23	100.0	100.0	100.0	100.0	100.0	98.7	89.6	58.1	21.3	82.2	836
TOTALS		100.0	100.0	100.0	100.0	99.8	98.0	85.8	59.9	21.5	81.9	6689

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

1110
STATION

BITBURG AB DL

STATION NAME

73-81

PERIOD

FEB
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	100.0	99.7	99.3	97.2	84.7	57.2	17.2	80.6	762
	03-05	100.0	100.0	100.0	99.9	99.6	97.9	88.2	58.1	17.3	81.3	762
	06-08	100.0	100.0	100.0	100.0	100.0	98.6	87.8	61.4	16.9	81.6	762
	09-11	100.0	100.0	100.0	100.0	99.7	97.8	85.5	59.0	16.7	81.0	761
	12-14	100.0	100.0	100.0	99.6	96.6	89.4	65.9	43.7	11.7	76.2	762
	15-17	100.0	100.0	99.3	97.2	91.5	77.6	51.0	29.7	7.7	71.1	762
	18-20	100.0	100.0	99.9	98.4	94.6	84.5	60.2	35.3	10.0	73.9	762
	21-23	100.0	100.0	100.0	99.9	98.2	93.3	74.3	45.8	13.1	77.9	762
TOTALS		100.0	100.0	99.9	99.3	97.4	92.0	74.6	43.8	13.8	77.9	6095

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
A1- WEATHER SERVICE/MAC

1 GLOBAL CLIMATOLOGY BRANCH
2 USAFETAC
3 AIR WEATHER SERVICE/MAC

100	BITBURG AB DL	73-81	MAR
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	100.0	99.6	98.6	94.0	68.2	34.2	4.8	75.9	837
	03-05	100.0	100.0	100.0	99.6	99.0	95.8	75.9	43.0	6.6	77.6	837
	06-08	100.0	100.0	100.0	100.0	99.3	98.0	81.0	50.5	7.0	79.0	837
	09-11	100.0	100.0	100.0	99.8	98.8	95.2	75.4	41.9	6.0	77.5	837
	12-14	100.0	100.0	99.5	97.0	90.7	75.5	46.8	16.6	2.2	68.7	837
	15-17	100.0	99.9	97.7	93.1	79.0	57.9	29.6	11.6	1.6	62.8	837
	18-20	100.0	99.9	98.1	94.5	85.7	66.9	38.4	16.7	1.7	66.1	837
	21-23	100.0	100.0	99.9	98.4	94.7	86.3	57.9	24.3	3.8	72.3	837
TOTALS		100.0	100.0	99.4	97.8	93.2	83.7	59.2	33.0	4.2	72.5	6696

USAFETAC FORM 0-87-5 (OL A)

FORM
10-11-64

RELATIVE HUMIDITY

1 - 100
STATION

BITBURG AB DL

STATION NAME

73-81

PERIOD

APR
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100.0	100.0	100.0	98.8	91.6	76.8	50.9	27.5	8.0	71.3	810
	03-05	100.0	100.0	100.0	99.9	96.5	86.7	60.5	33.8	11.6	74.8	810
	06-08	100.0	100.0	100.0	100.0	98.8	91.0	69.3	42.0	13.7	77.2	810
	09-11	100.0	100.0	100.0	99.4	92.2	75.3	51.7	26.8	7.9	71.2	810
	12-14	100.0	100.0	98.9	88.0	68.9	47.2	27.5	12.3	3.5	60.5	810
	15-17	100.0	99.9	94.7	73.5	53.0	35.8	21.2	9.6	2.6	54.9	810
	18-20	100.0	99.9	96.2	77.7	58.6	43.8	26.5	12.1	3.6	57.7	810
	21-23	100.0	100.0	99.6	93.5	79.1	60.1	39.3	22.2	6.4	65.6	810
TOTALS		100.0	100.0	98.7	91.4	79.8	64.6	43.4	23.3	7.2	66.7	6480

AD-A118 507 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
BITUMING AIR BASE, WEST GERMANY. REVISED UNIFORM SUMMARY OF SURF--ETC(11)
JUN 82
UNCLASSIFIED USAF TAC/D5-H2/039 SBI-AD-E850 19A NI

50 5

50 5



END
DATE
9-82
DTIC

2

RELATIVE HUMIDITY

100	BITBURG AB DL
STATION	STATION NAME

73-81

MAY
MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	100.0	99.8	97.0	81.8	62.6	37.7	11.2	74.6	836
	03-05	100.0	100.0	100.0	100.0	99.2	92.6	74.9	48.6	15.7	78.6	837
	06-08	100.0	100.0	100.0	100.0	99.2	93.5	77.8	51.4	17.4	79.5	837
	09-11	100.0	100.0	100.0	99.2	92.0	75.3	53.8	28.8	6.7	71.0	637
	12-14	100.0	100.0	99.6	90.7	68.2	41.5	28.2	11.5	1.8	59.7	836
	15-17	100.0	100.0	97.4	80.8	54.1	30.7	21.7	7.3	1.3	54.7	837
	18-20	100.0	100.0	97.3	82.7	56.4	36.7	26.5	11.9	2.6	57.0	837
	21-23	100.0	100.0	100.0	97.0	82.6	59.4	44.6	24.3	6.9	67.0	837
TOTALS		100.0	100.0	99.3	93.8	81.1	63.9	48.8	27.7	8.0	67.8	6694

USAFETAC FORM 0-87-5 (OL A)

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

1 0100 BITSBURG AB DL
STATION

STATION NAME

73-81

PERIOD

JUN
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	99.8	96.9	88.8	73.1	42.7	14.4	77.2	810
	03-05	100.0	100.0	100.0	100.0	99.4	95.8	87.2	58.9	21.0	81.9	810
	06-08	100.0	100.0	100.0	100.0	99.8	96.8	89.8	61.4	23.2	82.6	810
	09-11	100.0	100.0	99.6	97.9	93.2	79.3	60.4	28.5	8.8	72.3	810
	12-14	100.0	99.9	97.4	89.9	75.9	48.5	29.1	12.1	2.3	61.0	810
	15-17	100.0	99.6	95.7	83.6	61.9	37.5	23.0	8.9	1.2	56.7	810
	18-20	100.0	99.6	96.0	87.5	67.0	44.6	28.1	12.5	3.1	59.4	810
	21-23	100.0	100.0	99.1	96.4	89.6	71.2	52.0	26.8	8.3	69.7	810
TOTALS		100.0	99.9	98.5	94.4	85.5	70.3	55.3	31.5	10.3	70.1	6480

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

10 120
STATION

BITBURG AB DL

STATION NAME

73-81

PERIOD

JUL
MON

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	99.5	97.7	95.7	89.7	77.2	40.4	11.4	76.9	834
	03-05	100.0	100.0	99.9	99.2	97.3	94.9	89.6	57.3	17.7	81.7	837
	06-08	100.0	100.0	100.0	99.3	98.4	95.8	90.9	64.9	20.3	82.8	837
	09-11	100.0	100.0	99.4	98.1	95.3	85.3	66.2	33.1	7.5	74.0	837
	12-14	100.0	99.5	97.4	93.8	79.2	53.9	30.1	12.1	3.1	62.4	836
	15-17	100.0	98.8	95.7	87.6	66.1	41.0	22.9	10.4	2.4	57.9	837
	18-20	100.0	98.4	96.5	90.2	71.3	45.0	28.7	13.3	2.7	60.0	837
	21-23	100.0	99.9	97.8	96.3	90.5	74.0	51.4	23.0	6.1	69.5	835
TOTALS		100.0	99.6	98.3	95.3	86.7	72.5	57.1	31.8	8.9	70.7	6690

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

1 8100
STATION

BITBURG AB DL

STATION NAME

73-81

PERIOD

AUG

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	100.0	99.3	97.2	89.8	78.5	44.0	15.0	78.0	748
	03-05	100.0	100.0	100.0	100.0	99.1	95.5	88.7	63.0	21.7	82.7	794
	06-08	100.0	100.0	100.0	100.0	99.9	97.5	92.5	70.3	27.1	84.6	837
	09-11	100.0	100.0	99.9	99.2	95.6	87.3	71.8	36.2	11.2	75.8	836
	12-14	100.0	99.9	98.5	92.1	78.2	51.8	30.0	11.4	2.6	61.9	818
	15-17	100.0	99.6	95.8	83.0	62.1	37.4	19.0	7.2	.7	56.2	807
	18-20	100.0	100.0	96.6	85.0	67.3	46.3	26.9	12.0	1.7	59.0	767
	21-23	100.0	100.0	99.7	95.5	88.4	74.9	57.8	26.2	7.5	70.4	748
TOTALS		100.0	99.9	98.8	94.3	86.0	72.6	58.2	33.8	10.9	71.1	6355

USAFETAC

FORM
AIR 64

0-87-5 (OL A)

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

10-100
STATION

BITBURG AB DL

STATION NAME

73-81

PERIOD

SEP

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	100.0	100.0	100.0	98.4	93.5	59.8	23.7	83.2	810
	03-05	100.0	100.0	100.0	100.0	100.0	99.1	97.7	72.7	33.7	85.9	310
	06-08	100.0	100.0	100.0	100.0	100.0	99.8	99.0	79.0	38.5	87.3	810
	09-11	100.0	100.0	100.0	100.0	99.9	97.7	91.2	58.6	22.3	82.8	810
	12-14	100.0	100.0	100.0	99.0	92.6	73.6	53.1	23.6	5.4	70.2	810
	15-17	100.0	100.0	99.8	94.0	81.4	54.8	33.1	13.0	2.1	63.3	810
	18-20	100.0	100.0	100.0	97.2	89.1	71.1	48.6	20.7	4.2	68.4	810
	21-23	100.0	100.0	100.0	100.0	98.8	92.6	79.4	39.0	13.3	77.8	810
TOTALS		100.0	100.0	100.0	98.8	95.2	85.9	74.5	45.8	17.9	77.4	6480

RELATIVE HUMIDITY

1 6100
STATION

BITBURG AB DL

73-81

OCT
MON

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	100.0	100.0	100.0	99.6	98.9	93.7	74.3	31.1	85.3	837
	03-05	100.0	100.0	100.0	100.0	99.8	99.5	94.9	77.8	35.2	86.4	836
	06-08	100.0	100.0	100.0	100.0	100.0	99.0	95.2	81.4	41.1	87.3	837
	09-11	100.0	100.0	100.0	100.0	99.5	98.0	93.3	75.6	34.8	85.7	837
	12-14	100.0	100.0	100.0	99.4	97.8	92.1	75.5	45.6	17.7	78.1	836
	15-17	100.0	100.0	100.0	99.0	95.0	81.6	57.9	30.5	9.0	72.7	836
	18-20	100.0	100.0	100.0	99.8	98.3	91.8	77.1	43.0	12.7	77.6	837
	21-23	100.0	100.0	100.0	99.9	99.6	96.9	90.0	62.5	21.3	82.7	837
TOTALS		100.0	100.0	100.0	99.8	98.7	94.7	84.7	61.3	25.4	82.0	6693

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFD WEATHER SERVICE/MAC

RELATIVE HUMIDITY

1100
STATION

BITBURG AB DL
STATION NAME

73-81

PERIOD

NOV
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	100.0	100.0	100.0	99.5	93.2	75.0	27.7	84.9	809
	03-05	100.0	100.0	100.0	100.0	100.0	99.5	95.2	77.8	31.1	85.6	809
	06-08	100.0	100.0	100.0	100.0	100.0	99.9	95.4	78.6	33.5	85.9	810
	09-11	100.0	100.0	100.0	100.0	100.0	99.9	95.2	76.3	32.3	85.7	810
	12-14	100.0	100.0	100.0	100.0	99.8	95.9	82.3	60.0	22.8	81.6	810
	15-17	100.0	100.0	100.0	100.0	98.8	89.9	74.7	46.9	16.0	78.3	810
	18-20	100.0	100.0	100.0	100.0	99.8	96.7	83.4	59.1	19.3	81.4	809
	21-23	100.0	100.0	100.0	100.0	100.0	98.8	90.6	68.6	24.6	83.8	810
TOTALS		100.0	100.0	100.0	100.0	99.8	97.5	88.8	67.8	25.9	83.4	6477

USAFETAC

FORM
200 84

0-87-5 (OL A)

RELATIVE HUMIDITY

DEC
MON

USAFETAC FORM 0-87-5 (OL A)
JAN 64

2
GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

STATION 110 PITBURG AB DL

73-81

ALL
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	100.0	99.8	98.0	85.8	59.9	21.5	81.9	6689
FEB		100.0	100.0	99.9	99.3	97.4	92.0	74.6	48.8	13.8	77.9	6095
MAR		100.0	100.0	99.4	97.8	93.2	83.7	59.2	35.0	4.2	72.5	6696
APR		100.0	100.0	98.7	91.4	79.8	64.6	43.4	23.3	7.2	66.7	6480
MAY		100.0	100.0	99.3	93.8	81.1	63.9	48.8	27.7	8.0	67.8	6694
JUN		100.0	99.9	98.5	94.4	85.5	70.3	55.3	31.5	10.3	70.1	6480
JUL		100.0	99.6	98.3	95.3	86.7	72.5	57.1	31.8	8.9	70.7	6690
AUG		100.0	99.9	98.8	94.3	86.0	72.6	58.2	33.8	10.9	71.1	6355
SEP		100.0	100.0	100.0	98.8	95.2	85.9	74.5	45.8	17.9	77.4	6480
OCT		100.0	100.0	100.0	99.8	98.7	94.7	84.7	61.3	25.4	82.0	6693
NOV		100.0	100.0	100.0	100.0	99.8	97.5	88.8	67.8	25.9	83.4	6477
DEC		100.0	100.0	100.0	99.9	99.8	98.9	90.6	66.4	19.3	82.8	6695
TOTALS		100.0	100.0	99.4	97.1	91.9	82.9	68.4	44.0	14.4	75.4	78524

USAFETAC

FORM
JAN 64

0-87-5 (OL A)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

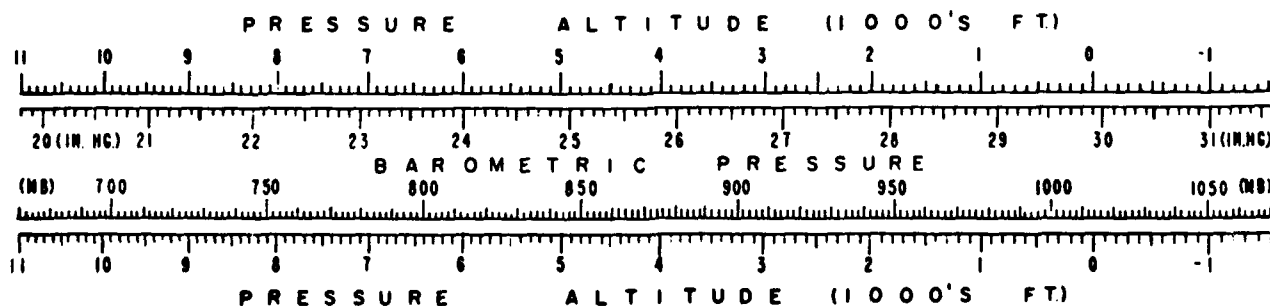
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars. DATA NOT AVAILABLE

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



2
 GLOBAL CLIMATOLOGY BRANCH
 AF-ETAC
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

100 PITBURG AB DL

73-81

STATION		STATION NAME												YEARS												
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL												
0	MEAN	28.69328	65028	62128	66028	66828	72928	72628	74928	75828	68128	74028	630	28.692												
	S D	.330	.343	.270	.199	.188	.162	.148	.138	.195	.268	.290	.380	.259												
	TOTAL OBS	278	254	279	270	279	270	278	250	270	279	270	279	3256												
	MEAN	28.68628	64528	61728	65228	66128	72128	71728	74128	74928	67228	73628	620	28.684												
	S D	.325	.345	.271	.201	.191	.165	.147	.140	.197	.270	.286	.385	.260												
	TOTAL OBS	279	254	279	270	279	270	279	248	270	278	269	279	3254												
	MEAN	28.68028	63528	60428	64228	65528	71828	70928	74128	73828	65928	72728	614	28.677												
	S D	.322	.346	.272	.203	.194	.166	.149	.145	.198	.273	.288	.385	.260												
	TOTAL OBS	279	254	279	270	279	270	279	279	270	279	270	279	3287												
	MEAN	28.68628	64628	61728	65828	67028	73128	72128	75328	75228	67028	73528	619	28.688												
	S D	.320	.348	.272	.206	.197	.167	.152	.145	.200	.277	.288	.386	.262												
	TOTAL OBS	279	254	279	270	279	270	279	279	270	279	270	279	3287												
1	MEAN	28.70628	66128	62728	66328	67328	73428	72528	76028	76328	68328	75228	639	28.699												
	S D	.323	.349	.270	.206	.195	.165	.151	.143	.201	.278	.288	.385	.261												
	TOTAL OBS	279	254	279	270	278	270	278	279	270	279	270	279	3285												
	MEAN	28.68228	64528	60928	64528	66228	72228	71328	74728	74728	66728	72828	616	28.682												
	S D	.322	.343	.264	.203	.189	.161	.150	.142	.197	.272	.287	.379	.258												
	TOTAL OBS	278	254	279	270	279	270	279	269	270	279	270	279	3276												
10	MEAN	28.68128	63928	59428	63128	64828	70928	70028	73528	73528	66328	72428	619	28.673												
	S D	.326	.339	.260	.200	.183	.159	.149	.140	.194	.266	.287	.378	.256												
	TOTAL OBS	279	254	279	270	279	270	279	269	270	279	270	279	3277												
1	MEAN	28.68928	65428	60928	64828	65728	71528	70528	73628	75128	68128	73228	630	28.683												
	S D	.328	.341	.261	.199	.182	.160	.147	.136	.193	.266	.295	.378	.257												
	TOTAL OBS	278	254	279	270	279	270	279	249	270	279	270	279	3256												
ALL HOURS	MEAN	28.688	64728	61228	65028	66228	72228	71528	74528	74928	67228	73428	623	28.685												
	S D	.324	.344	.267	.202	.190	.163	.149	.141	.197	.271	.289	.382	.259												
	TOTAL OBS	2229	2032	2232	2160	2231	2160	2230	2122	2160	2231	2159	2232	26178												

END

DATE
FILMED

9 - 82

DTI